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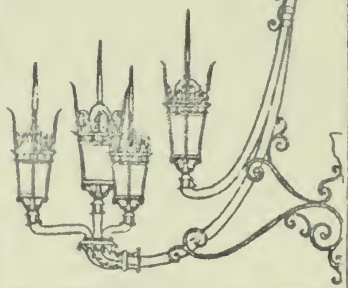
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ANNUAL REPORT  
OF THE  
PUBLIC WORKS DEPARTMENT  
OF THE  
CITY OF BOSTON

FOR THE YEAR ENDING DECEMBER 31, 1968



HON. KEVIN H. WHITE, *Mayor*

JOSEPH F. CASAZZA, *Commissioner of Public Works*

FREDERICK L. GARVIN, *Engineering Division Engineer*

CHARLES M. MARTELL, *Highway Division Engineer*

JOHN F. FLAHERTY, *Sanitary Division Engineer and  
Deputy Commissioner*

EDWARD G. A. POWERS, *Sewer Division Engineer*

EDWARD J. PINKUL, *Water Division Engineer*

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# PUBLIC WORKS DEPARTMENT

## 1968 ANNUAL REPORT

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ANNUAL REPORT  
OF THE  
PUBLIC WORKS DEPARTMENT  
For The Year Ending December 31, 1968

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BOSTON, January 2, 1969.

HON. KEVIN H. WHITE,  
*Mayor of Boston.*

DEAR MR. MAYOR:

In compliance with the provisions of Section 25 of Chapter 3 of the Revised Ordinances of 1961, I respectfully submit the annual report of the Public Works Department.

As required by Section 36 of Chapter 21 of the Revised Ordinances of 1961, I am also submitting the annual report of the Public Improvement Commission.

Because the workings of the department are such that its every move is in the public eye, it is imperative that this department operate as economically and efficiently as possible. The operation of the department is through a Central Office and five divisions. Each division is in charge of a Division Engineer, who is an expert in his particular field. The following are the functions of the Public Works Department: the construction, reconstruction of highways and sidewalks, street lighting, snow removal, sewerage and drainage construction and maintenance, distribution of potable water, and the maintenance of necessary components, sanitation, street cleaning, removal and disposal of refuse and garbage, incineration, and the cleaning of catch basins. The engineering

requirements to carry on the above programs are by departmental employees, assisted by contract experts.

Delegation of authority within the department is as follows:

### CENTRAL OFFICE

There are four sections in the Central Office: an Administrative Branch; a Maintenance Branch; a Permit Branch, and a Personnel Branch.

The Administrative Branch processes purchase and supply requisitions, service orders, payrolls, personnel requisitions, transfers, promotions, and terminations. This Branch also handles, studies, and prepares reports.

The Maintenance Branch was established February 8, 1960, by the consolidation of the Automotive Section and the Repair Shop, formerly in the Sanitary Division. This Branch is responsible for the care, control, and maintenance of departmental vehicles. They are also in charge of the public utility facilities in the various yards and serve as a housekeeping unit.

### COMMUNICATION CENTER

The department maintains a Communication Center consisting of a main base station radio, linkage by closed circuit teletype system with ten highway yards, and the Central snow removal office at Albany street. Departmental mobile units are radio equipped.

During the year, automotive equipment amounting to an expenditure of \$433,853.42 was purchased for the department.

### PERMIT BRANCH

The Permit Branch is the departmental unit for the issuance of permits and licenses. This Branch receives departmental fees, rentals, and charges for these functions.

The cash receipts for the year 1968 show a decrease from the previous year.

The largest percentage of this decrease is reflected in the Engineering and Inspection Fees account. This account fluctuates from year to year depending on the

amount of street reconstruction work that is undertaken by the department, the amount of repairs made to trenches opened by the Public Utilities and the availability of time for the preparing and processing of bills for the transfer of these funds from Street Opening Account (Special) to the General Revenue Account.

There has been a decrease in the income received from projections caused by the demolition of many locations which had projections and from the numerous business establishments that have gone out of business.

The decrease in revenue from opening and occupation permits is due to the completion during the year of some major projects which were paying substantial permit fees.

The decrease in revenue from licenses reflects the transfer of most of the produce dealers to their new area outside of the city.

#### CONTRACT SECTION

One of the more important functions of the Administrative Branch is the Contract Section. Here, approximately 150 contracts, involving all facets of public works, are processed. The volume of these contracts amounts to expenditures of about \$15,000,000 per annum. The work is extremely technical as there must be strict compliance with the general laws, ordinances, and special laws pertaining to the city. Upon execution of contracts, copies of periodical estimates, extensions of time, extra work orders are processed and filed.

#### FISCAL

There was carried over from 1967 the amount of \$10,040,477. Appropriations for 1968 amounted to \$23,713,895. Revenue received amounted to \$13,190,066, making the amount available \$46,946,438.

Expenditures amounted to \$36,405,117, leaving an unexpended balance of \$10,541,321, and unliquidated encumbrance and carry forward of \$6,855,107, and a net unencumbered balance of \$3,686,214.

The Water Division operated with a deficit of \$915,-042.63, and the Sewer Division operated with a deficit of \$976,466. There was a Snow Removal deficit of \$443,615.



Revenue from the sale of water amounted to \$9,445,971 and expenditures amounted to \$10,030,865. Metropolitan water assessments do not pay the cost of their expenditures resulting in ever-increasing sales of Water Use Development Loan Bonds, which on June 30, 1967, amounted to \$51,903,000 of a net debt of \$117,176,000. Proper refinancing would be of distinct benefit to Boston.

The Sewer Deficit is quite serious. The Metropolitan Assessment has been reduced by 52 percent until the Boston Main Drainage System is connected to the Metropolitan system. This may occur within a few months. The only answer is to increase the Sewer Use Charge.

There was available for Snow Removal the sum of \$760,000 as a 1968 appropriation and \$135,000 for equipment. Expenditures amounted to \$1,203,615 and \$99,974 for equipment creating a deficit in the removal account of \$443,615, and the amount of \$35,026 carried over in the equipment account.

There was a bridge loan amounting to \$1,526,044, with an unencumbered balance of \$66,925. There was a sidewalk loan of \$1,400,000 which with \$289,530 carried forward, made \$1,689,530 available. Expenditures amounted to \$748,490, with an unencumbered balance of \$1,443,773. The sum of \$1,702,100 was carried forward which with a sewerage loan of \$1,250,000 made \$2,952,100 available. Expenditures amounted to \$973,039, with an unencumbered balance of \$112,607.

The Public Ways Loan was \$3,000,000 augmented by \$2,811,337 carried forward plus the revenue received for a total of \$6,442,028. Expenditures amounted to \$4,029,695 with an unencumbered balance of \$280,648.

Funds were available under the several accelerated Highway Programs created by Chapter 782 of 1962, Chapter 882 of 1963, 679 of 1965 and 616 of 1966.

Chapter 782 funds amounted to \$51,155, with an unencumbered balance of \$14,338. Chapter 822 funds amounted to \$98,631 with no unencumbered balance. Chapter 679 funds amounted to \$255,738, with an unencumbered balance of \$113,384. Chapter 616 funds



amounted to \$1,511,805, with an unencumbered balance of \$778,809.

There was a Water Loan of \$1,300,000 which with the amount carried forward, amounted to \$2,300,000, with an unencumbered balance of \$1,735,717. A Water Meter Loan was carried forward in the amount of \$142,258, with an unencumbered balance of \$1,747.

Appended hereto is the report submitted by the Public Improvement Commission and statistical data relative to the activities of the various divisions.

Respectfully submitted,

JOSEPH F. CASAZZA,  
*Commissioner of Public Works.*

## ENGINEERING DIVISION

Submitted herewith is the annual report of the Engineering Division of the City of Boston, Public Works Department, for the year 1968. This represents the ninth such report since the division was activated in 1960.

An analysis of the various programs for sewer, water, and highway projects planned versus the actual projects advertised and completed or started, indicates that the actual dollar value of work encumbered for construction appears to be close to the 1967 encumbrances. However, there are two disturbing factors here that indicate a need for accelerating our pace. One is that contract prices have risen sharply with the result that the same dollar value produces less results than in 1967. The other factor is that work advertised in 1967 represented many projects originally planned for 1966 so that, of necessity, the 1968 work in turn became in large part, work planned for 1967. This was the case particularly for Chapter 90 projects, street reconstruction and sidewalk projects. Sewer and water projects in general remained fairly current in execution.

This trend to lag behind planning is a direct result of inadequate manpower both in technical competence and in numbers to get the work accomplished as well as inadequate funds. It is hoped that 1969 will be used to solve the manpower and financial problem and reverse this trend.

Along with what might be called the routine projects advertised for construction were several advertised items that were of interest such as the following:

1. The completion of American Legion extension, from Cummins Highway to Hyde Park avenue. This should have the dual result of serving both present and proposed commercial and residential abutting properties and also of dispersing traffic loads in the general area.

2. The start of the restoration of the colonial appearance of Charles street, Boston Proper, from Beacon street to the Charles Street Circle. His Honor, the Mayor, requested the department to consider this restoration in the form of brick sidewalks and gas lights, so

that the world-renowned charm of Beacon Hill would be reflected in this street also. Because the imminent approach of cold weather made the complete installation impossible, a special concerted effort produced the completion of a representative stretch between Beacon street and Chestnut street. The completion of this restoration is planned for 1969.

3. Again, in the interest of producing an oasis of neighborhood relation, this division produced plans resulting in the reduction of the curb to curb width of Dartmouth street, between Boylston street and Commonwealth avenue, to 44 feet, the elimination of the median and the installation of brick sidewalks on the easterly side. This will allow the Parks and Recreation Department to construct a pedestrian mall on the westerly side during 1969. This attractive mall will have trees, benches, special pedestrian lighting and other recreational facilities, and should enhance the over-all neighborhood appearance. Because of money limitations it was necessary to postpone a similar development of Dartmouth street, from Commonwealth avenue to Beacon street, until 1969.

4. Closely associated with the Dartmouth Street improvement was the paving and sidewalk and street lighting work done in those sections of St. James avenue, Dartmouth street, and Boylston street, which surround Copley square. This work has been done in order to further enhance the charm of the beautification of Copley square now in progress.

Although not in the categories of advertised projects, another event took place that is certainly worthy of mention and that is the moving of the department and consequently, this division, to the New City Hall.

Of necessity, this resulted in a gigantic review of plans, documents, books and records to see what could be disposed of or must be retained. This in turn, brought to light for review many ancient documents relative to personnel history, early department doings, and items of our city's over-all early history. The moving for our division required the packing, marking, and unpacking, after moving of approximately 40,000 plans. The final refileing of these has not yet to date been accomplished.

## SUMMARY

During 1968 the following projects were originated, surveyed, designed, estimated, and advertised. In areas not connected with urban renewal these projects were developed entirely within the division whereas the urban renewal projects were mainly prepared by consultants working for the department with the function of this division relative to this phase of the work being limited to outlining, reviewing, supervising, and approving their work.

(A) Areas not connected with urban renewal		Low Bid
(1) Street reconstruction (7.0 miles)	. . .	\$1,255,224
(1A) Special lighted barriers	. . .	7,500
(2) Chapter 90 street reconstruction (4.5 miles)		960,568
(3) New street construction (0.50 miles)	. . .	159,898
(4) Sidewalk reconstruction (pilot area Charles street)	. . . . .	12,555
(5) Sewer and water construction and reconstruction (includes 2 estimates of bids totaling \$51,300)	. . . . .	2,223,043
Total "A"		<u>\$4,618,788</u>
(B) In urban renewal areas (advertised by Public Works Department)		
(1) Street construction / reconstruction (in Government Center and Washington Park)		\$1,865,278
Sewer and/or water construction (in Washington Park)	. . . . .	477,127
Total "B"		<u>\$2,342,405</u>
Total "A"	. . .	\$4,618,788
Total "B"	. . .	2,342,405
Grand Total		<u>\$6,961,193</u>

## ADMINISTRATIVE SECTION

The Administrative Section under the direction of the Division Engineer and the supervision of the Administrative Assistant performed the required administrative and clerical functions of the division.

Processing and maintenance of division records pertaining to personnel, correspondence, indexing, filing, etc., were some of the duties performed by this section. Also typing, proofreading, and collating all stencils for contract books for all divisions of the department. Preparation of annual and other reports. Mimeographing all stencil work for the department. In addition recorded and processed plot plans numbering approximately 160 submitted by the Building Department.

On November 20, 1968, the division moved into New City Hall. The moving of the Administrative Section files and records, etc., took place with a minimum of interruption to the routine of the division.

In addition the Administrative Assistant calculated and estimated all betterments and assessments levied for roadways, sidewalks, and sewers in the city of which there were approximately 850 parcels. The Administrative Assistant also assisted the Division Engineer at Public Improvement Commission Hearings.

## ENGINEERING RECORD SECTION

During 1968 this section furnished street line information, grade information, and plan information on approximately eleven hundred and seventy-five streets to private engineers and surveyors. Checked approximately seventy-five new Land Court plans for street line information and also received and reviewed approximately fifty decree plans for the Land Court.

Furnished information to various departments and agencies, including the Law Department, Building Department, Highway Division, Sewer and Water Divisions, Public Facilities Department, Assessing Department, Fire Department, Police Department, BRA, Commonwealth of Massachusetts, Real Property Board, and the Department of the Navy.



Furnished information to Consulting Engineers working on BRA projects as follows:

South Cove Project . . . . .	R-92
Fenway Urban Renewal Project . . . . .	R-115
South End Project . . . . .	R-56
Charlestown Urban Renewal Project Mass. . . . .	R-55
Central Business District South Station Area . . . . .	R-82C
Campus High School Project . . . . .	R-129

Most of above projects being in the checking stage for street layout.

Had fifteen meetings with engineers and surveyors on various projects.

During the course of the year, received fourteen subpoenas to furnish plans and information that was presented to Suffolk, Middlesex, and Norfolk Courts.

As moving Coordinator for the Engineering Division, planned the moving of equipment, 40,000 plans, files, etc., from the Old City Hall to the New City Hall. The work of the Reproduction Unit of this section was as follows:

#### PLANNING AND PROGRAMMING SECTION

The Planning and Programming Section of the Engineering Division, under the general direction of the Division Engineer, compiled the programs of public works construction that the City of Boston was to carry out in 1968.

On the basis of citizens' petitions, complaints, departmental information and field inspections, this section selected and programmed the city's public works for 1968. These programs compiled by the Planning and Programming Section set in motion the survey work, the preparation of plans, specifications and finally, the construction of the city's public works projects. This involved the reconstruction of 12 miles of streets, the construction of  $\frac{1}{2}$  mile of new streets, the laying or relaying of 3 miles of water pipe and the replacement or extension of 2 miles of sewers.

While on the subject of reporting the activities of the Planning and Programming Section it is appropriate to pay tribute to a fine gentleman and capable engineer, the former head of Planning and Programming, Paul Ford, who retired last September and died in December.

The Planning and Programming section along with its primary responsibility of preparing the program for the Public Works Department for the current year, also had the responsibility of receiving, verifying, and processing all of the urban renewal projects that require Public Works Department decisions. There are approximately twelve active urban renewal projects and work has been progressing in most areas. Following is a breakdown of work reviewed for these project areas and acted upon by this section.

#### *Waterfront Project Mass. R-77*

Site Preparation, Contract B (Seawall and Embankment, East India Row), consisting in part, the construction of a new granite seawall between India and Central Wharves, the construction of a roadway embankment for the first stage of a proposed roadway called East India Row and for the site of the Harbor Towers Complex.

#### *Washington Park Project Mass. R-24*

Public Works contracts in Washington park are under the control and supervision of the Public Works Department rather than the BRA.

The work reviewed and completed in this project area was Highway Construction of a portion of Washington Park Boulevard and complete reconstruction of twenty-one other streets.

#### *Charlestown Project Mass. R-55*

Contracts reviewed and completed by the BRA in this area totaled 27 streets reconstructed and 16 resurfaced.

*South Cove Project Mass. R-92*

The Bay Village area of the South Cove project produced an unusual accomplishment due to the early American motif planned for the streets. Colonial gas lights and brick sidewalks were installed. This section assisted in this work by reviewing the plans for streets and lighting.

*South End Mass. R-56*

Three contracts concerning recreational facilities were reviewed and verified relative to their impact on our public works.

Among other duties performed in this section was the reviewing of 131 plot plans, which required checking of grades before submission to the Building Department.

Developers who intend to install new streets in their projects must prepare the necessary approval plans and submit them to this section for processing and approval. Nineteen hundred and sixty-eight was a lean year for this work since only five approval plans were reviewed.

Proposed driveway opening plans are also reviewed by this section for feasibility.

## SURVEY SECTION

The Survey Section of the Engineering Division, under the direction of the Associate Civil Engineer, originated all field engineering surveys and related activities required for the determination and recording of engineering data, measurements, calculations, sketches, and other information needed in connection with:

(a) The laying out, locating, relocating, design and construction, reconstruction, alteration or discontinuance of streets and street improvements, including sidewalks, bridges, storm drains, sewer, water, and other related facilities in the City of Boston.



(b) Special survey requirements of the City of Boston in general, including the acquisition by the city of land by eminent domain; and taking of easements; the construction of municipal buildings and structures; the inter-departmental transfer, sale or development of city-owned land; and the furnishing of survey and engineering data in matters of concern to the City of Boston as required or related to construction programs and other activities under the jurisdiction of other municipal, state, federal, or private agencies or authorities; including services to consultants or contractors engaged by these agencies or authorities.

## HIGHWAY DIVISION

The Highway Division is charged with the responsibility of construction, reconstruction, care, control, and maintenance of all highways; the street cleaning activities of the city; the construction and care and maintenance of bridges and the street lighting program. Supervision of snow removal is also a function of this division.

The method of financing the highway construction program is diversified. Funds for the so-called "Chapter 90" program are obtained in part from the proceeds of the fees from which the Commonwealth's highway fund is composed. This work is under the direction and control of the State Department of Public Works, with the highways remaining city streets after completion of the contracts. In 1968, the sum of \$630,691 was contributed by the state and a like amount was contributed by Boston for the "Chapter 90" program.

The so-called "393 streets" are highways constructed under the basic highway statute (Chapter 393 of the Acts of 1906), as most recently amended. Funds for this program and for the construction of stone, block, brick, cement concrete, bituminous concrete, bituminous macadam or other permanent pavement of similar lasting character, are obtained by the issuance of a Public Ways Loan under authority of Chapter 44, Section 7, Paragraph 5, of the General Laws, augmented by several accelerated highway acts, which provide funds to the cities and towns, for use under the terms set forth above under Chapter 44, Section 7, Paragraph 5.

In 1968, expenditures under the Public Ways Loan amounted to \$4,029,695. Accelerated highway act of 1962, \$29,912; 1963, \$42,112; 1965, \$84,457, and 1967, \$305,670. Under the Bridge Loan there was an expenditure of \$748,490. Under the Sidewalk Loan there was an expenditure of \$166,011.

The sum of \$1,203,615 was expended for snow removal, resulting in a deficit of \$443,615, plus an expenditure of \$99,974 for snow equipment.

The expenditures on the seven tidewater bridges amounted to \$495,589.93. There were 8,189 openings by

the five drawbridges at a cost of approximately \$60 per opening. Total expenditures on inland bridges amounted to \$49,033.14.

Three contracts for street cleaning were let in 1968, to clean parts of District 1; the North End and Market Area; and the Charlestown District at a cost of \$681,-611.76. The balance of the city is cleaned by departmental forces.

A street lighting contract in the amount of \$45,560 was let during the year. The balance of the work of the Street Lighting Section consists of lighting studies subsequent orders for installations by the Boston Edison Company.

## SANITARY DIVISION

### ADMINISTRATIVE SECTION

#### *Program 1 — Administration*

The activities of the Administrative Section comprised supervising the various functions and operations of the division, the preparation of all contracts, the processing of payments, the processing of reports, correspondence, violation notices and complaints (complaints were written, telephoned, and in person), the compilation of inspector's reports and daily reports on the Collection and Disposal Sections' performances, investigating and processing applications for permits for the transportation of refuse, the preparation of the budget, and the supervision of the Snow Emergency Center.

During the year the following changes were made in personnel: On July 8, 1968, John F. Flaherty returned as Division Engineer after leaving his post as Commissioner of Public Works. Ransom W. Stiles, Principal Civil Engineer, retired on March 31, 1968, and passed away on August 31, 1968. Charles T. Dinneen was permanently promoted to Principal Civil Engineer, replacing Mr. Stiles, on May 1, 1968. Stephen J. Clegg, Clerk, was transferred on March 4, 1968, to the Central Office Personnel Section as Principal Clerk-Typist. Maxine Pratt transferred from the Engineering Division on April 15, 1968, and was made a Senior Clerk and

Stenographer on September 4, 1968. Jeremiah Connolly, Supervisor of Sanitation, was promoted on November 20, 1968, to the position of Superintendent of Sanitation. Bernard G. Donnelly who had been Acting Superintendent since the death of James F. Kane in 1967 returned to his duties as Supervisor of Sanitation in Area 2.

The Sanitary Division moved into the New City Hall on November 19, 1968. The office layout and building facilities are very pleasing to all the personnel.

#### COLLECTION SECTION

##### *Program 2 — Refuse Collection Contracts*

Refuse Collection Contracts were awarded in all eleven of the contract districts as a result of publicly advertised bids, the work commencing on April 1, 1968. These one-year contracts have renewal options for a second and a third year. The contract prices increased considerably over those of the past year, due in part to wage increases and increase in services to be provided. The total expenditure in 1968 for refuse collection contracts amounted to \$3,849,525.93 an increase of \$1,356,000 over 1967. A total of 295,288 tons of refuse was collected during the year.

##### *Program 3 — Lot Cleaning*

The Lot Cleaning Crew was organized in 1967 comprising one foreman, two inspectors, one special heavy motor equipment operator, 6 motor equipment operators, and eighteen laborers using one bulldozer, two frontend loaders, and six dump trucks for the cleaning of vacant lots throughout the city.

All littered vacant lots in the city were cleaned at least once and many lots were cleaned several times during the year for a total of 4,069 lots. Scheduled periodic cleaning of all lots is now in progress.

##### *Program 4 — Alley Cleaning*

The Alley Cleaning program in the South End and lower Roxbury districts was continued during the year and is responsible for keeping the littering of these alleys within reasonable bounds. Approximately 2,299 tons of debris and garbage was removed from the alleys during 1968.

*Program 5 — Litter Baskets*

Three hundred pole-type baskets were requisitioned in April but not delivered by the Purchasing Division prior to the end of the year to replace badly damaged and pilfered baskets. Consequently very few pole baskets were installed at new locations. Over 890 pole-type baskets are located throughout the city, principally where there are accumulations of pedestrian litter. Also requisitioned but not delivered were 1,000 anti-litter "Hey look, We're Getting Boston Clean" signs silk-screened on 5 x 7-inch aluminum plates to replace the "Town Crier" type. All baskets were emptied by the refuse collection contractors on Mondays except in the Boston Proper district where they were emptied on the regular collection days. A departmental night litter basket detail, using three packer-type trucks and eight men, emptied every basket nightly, Tuesday through Saturday. This crew is under the supervision of an Inspector who also directs the pick-up of dead animals.

*Program 6 — Market Cleaning*

Under this program, the division provides two packer-type trucks on Fridays and Saturdays servicing pushcart peddlers and storekeepers in the Market area in the vicinity of Blackstone street, removing approximately 2,080 tons of refuse during the year and depositing it at the South Bay incinerator.

*Program 7 — Abandoned Vehicles*

The abandoning of automobiles in the city has been reduced considerably. The new shredding plan in Everett plus the increased price of scrap iron contributed greatly to the reduction in the number of cars and the cost for the removal and disposal of derelict vehicles. Many abandoned cars continue to be removed from the streets by persons unknown probably because a profit can now be made in their disposal. Some junk dealers are evidently increasing their business by taking these vehicles from streets and vacant lots. Two hundred forty-six vehicles were removed at a contract cost of \$566.70.



*Program 8 — Cleanup Campaign*

The Spring Cleanup Campaign was conducted in the spring of 1968. The liaison between the department and the various civic groups was maintained by personnel from the Mayor's Office and the Office of Public Service. Hundreds of tons of debris (placed on the sidewalk by residents conducting basement, attic, and backyard cleanouts) were removed by the contractors and by the division's labor forces. One hundred thirty-nine large 25-cubic yard containers and eleven smaller 8-cubic yard containers were placed in various locations designated by civic organizations for use in the local cleanup efforts. The providing and servicing of these containers was done under contract.

*Program 9 — Enforcement and Education*

The uniformed Sanitation Inspectors continued ringing doorbells and notifying violators of the barrel ordinance to supply the required number of receptacles to provide for the maximum amount of refuse generated at their addresses.

To supplement the work of the Uniformed Sanitation Inspectors we used the slogan, "Hey Look, We're Getting Boston Clean" in the spring anti-litter campaign. All departmental vehicles were posted on both sides with signs featuring this motif.

Over 10,000 violation notices were issued by these inspectors and the results of their efforts were readily evident in the areas in which they worked by the reduction of litter and the increase in the number of new barrels.

#### DISPOSAL SECTION

*Program 10 — South Bay Incinerator*

The South Bay incinerator received and disposed of a total of 143,429 tons of refuse during the year.

Maintenance work performed under contract is listed below as follows:

1. Renewed the grate on No. 6 furnace and installed a water cooled beam (front grate support beam).
2. Installed a new ash quenching system on all six furnaces.

3. Installed a new heating system in the ash tunnel.
4. Installed a new electric signal system for the charging of furnaces.
5. Existing refractories were repaired at a cost of \$10,000.
6. Installed three new ash gates on No. 1 furnace.

During the year our resubmitted application for a Demonstration Grant under the Solid Waste Disposal Act for the erection of a shredding mill and a water wall continuous feed furnace with electrostatic precipitator was rejected by Health Education and Welfare and it now appears that the chance of construction moneys for these proposed improvements will not be forthcoming from the federal government. The work we proposed to do under the grant has in part been approved in at least two major cities and the information we will obtain from these municipalities regarding the preprocessing of refuse in a shredding mill prior to burning, may result in a future recommendation from this division to adapt the South Bay incinerator to this new method of burning.

Steam generated from the burning of refuse was used for providing heat and hot water in the incinerator.

Steam was not transmitted to the City Hospital during the year. The division recommends that this program should not be reactivated and that our efforts be concentrated on the reduction of refuse rather than the production of steam.

#### *Program 11 — Gardner Street Sanitary Landfill*

One hundred twenty-eight thousand, six hundred and ninety-three tons of cover material were purchased from a contractor who trucked it to the dump site where it was used to cover the initial layer of incinerator residue, completing the program of a sanitary landfill operation.

During 1968 we did not receive a single complaint from residents of the West Roxbury area regarding the Gardner Street sanitary landfill operation. A total of 195,128 tons of rubbish was received and disposed of at the site during the year.

We submitted an application to the State Department of Natural Resources in May and received approval in

November for relocating Brook Farm Brook. This brook which now meanders through the middle of the Gardner Street sanitary landfill will be moved to the westerly limits of the city-owned land. This will provide a considerable increase in dumping capacity at this site.

Once again we report that the life of the landfill is very limited and therefore it is urgently recommended that initial action is now essential for the construction of a second incinerator. It appears that the city is now in a squeeze between the length of life of the landfill and the present lack of an alternate method of disposing of the refuse from six collection districts of the city.

### *Program 12 — Garbage Disposal*

On April 1, the city entered into contracts with Kristoff Brothers for removing garbage delivered to the Victory Road Transfer Station and with the Kennedy Brothers for removing garbage delivered to Gardner Street Transfer Station. Both of these contracts were awarded at the bid price of \$1,300 per month. Approximately 4,970 tons of garbage was transferred at Gardner Street and 3,380 tons at Victory Road.

### *Snow Removal*

The Snow Emergency Center finished its seventh season of operation at the Civil Defense Office located in the Fire Department Headquarters building during the winter of 1967-1968 under the direction of the Deputy Commissioner. The Sanitary Division continued to supply personnel that were the backbone of this operation. The assignment of sanding and snowplowing in the Main Routes 3 District was capably handled by Sanitary Division Personnel.

### *Snowfall*

Snowfall amounting to over 4 inches occurred as follows: January 7, 6.6 inches; January 25, 6.1 inches, total for the month amounted to 17.7 inches. In February, total snowfall totaled only 3.4 inches with no snowfall greater than 1.9 inches. Total snowfall for March amounted to 6.8 inches, with no snowfall greater than 4 inches. Snowfall in November amounted to .4 inch and 5.1 inches in December produced by seven storms.



## SEWER DIVISION

## ORGANIZATION OF THE DIVISION

The Sewer Division is comprised of three sections, viz.; Administrative, Maintenance, and Construction, under the direction of a Division Engineer.

The Administrative Section, under the direction of an Administrative Assistant, is responsible for the preparation of budgetary requirements; maintenance of time records of personnel; presenting receiving notices and warrants for service orders and purchase requirements, to the Central Office of the Department for Processing; all correspondence received in and emanating from the division; processing of estimates for payment of contract work; keeping records pertaining to the Sewerage Works Loan Account; furnishing information relative to department policy as determined by directives, orders, and ordinances; and processing of abatements in connection with the sewer use charge.

The Maintenance Section, under the direction of an Associate Engineer, is charged with cleaning of sewers and sewer appurtenances; answering and investigating complaints relating to sewerage works; maintaining and repairing sewers; inspecting the laying of drains; operation of pumping stations and disposal plant; recording complaints; recording sewer inspections; keeping record plans of the entire sewerage system; and furnishing information to the public.

The Construction Section, under the direction of an Associate Engineer, is responsible for the entire building operations of sewerage works under contracts, from the field layouts through the final inspections; preparation of estimates for payment on all work performed for the Sewer Division, under contracts; and furnishing record plans of work for the sectional plans maintained by the Maintenance Section.

On November 22, 1968, the Sewer Division main office moved to its new location in the New City Hall, Room 717.

Early this year the first comprehensive plan made in this century for the elimination of pollution due to waste

waters in the City of Boston was completed and accepted by the city. This plan was the result of an investigation for the Sewer Division by Camp, Dresser and McKee, Consulting Engineers, Boston, Mass., begun on February 10, 1966, and paid for at a cost of \$221,220.28 from an interest-free loan granted by HUD (Housing and Urban Development), to the city. Four principal alternative methods for pollution elimination were studied, viz.: (1) Complete separation of all sanitary sewerage and storm drainage systems; (2) construction of chlorination detention tanks; (3) construction of surface holding-tanks, and (4) construction of the Deep Tunnel Plan. Method (4), the Deep Tunnel Plan, proved to be the most efficient and least costly, and was therefore recommended by the consultants.

The Deep Tunnel Plan will involve the construction of deep rock storage tunnels, shafts, transmission tunnels, surface connections, a main pumping station located in Deer Island, and an ocean outfall with diffusers. With this method, all flows of sewage and storm water may be disposed of well off-shore into the Atlantic Ocean and thereby eliminate the pollution of Boston Harbor and adjacent waters. The cost of the above method is estimated to be about 496 million dollars, of which Boston's share would be about 300 million dollars.

It is obvious that such vast construction could not be accomplished overnight but would take many years of partial construction projects to accomplish the end in view, even if the millions of dollars required were at hand. Therefore, an initial construction program has been suggested as follows:—

1. Main Interceptor and Tributary Conduits . . . . .	\$15,050,000
2. South Boston Pollution Control Conduit . . . . .	15,400,000
3. East Side Interceptor . . . . .	7,400,000
<hr/>	
Total Cost . . . . .	\$37,850,000

The initial construction programs are designed to complement the Deep Tunnel Plan.

If present percentages of state and federal grants are maintained, and if these grants are made, the cost to the city for the initial program would be about \$20,800,000. This would result in an annual increase in the property tax of 99 cents.

On April 22, 1968, the third major collapse since 1962 of a section of the main interceptor occurred in Massachusetts avenue. This repair was not completed until October 30, 1968, and the cost was \$155,461.83. During the rebuilding of the damaged portions of the conduit great inconvenience was caused to the public inasmuch as traffic had to be detoured. Even now the center strip of Massachusetts avenue is barricaded so that no traffic will bear on the interceptor, thus cutting down the flow of traffic considerably. The total cost of rebuilding the collapsed sections of the interceptor to date has been \$439,238.90.

From this history of the hazardous condition of the main interceptor, and potential repair costs, all efforts will be made to proceed with phase (1) of the initial construction program as outlined above, which calls for abandonment of the existing main interceptor and the building of a new smaller interceptor in a different location.

## WATER DIVISION

The operation and management of the Water Division is channeled through four sections: Administrative, Construction, Maintenance, and Revenue.

All pipes and appurtenances for supplying potable water to the approximate 93,000 customers are under the control, care and maintenance of this division, as are the hydrants and supply for ordinary fire extinguishment. The source of supply is the Metropolitan District Commission. The charge for water to the member cities and towns is fixed by legislative enactment at \$120 per million gallons, a sum insufficient to meet operating expenses. In 1968, Boston required 129,176,300 gallons per day or approximately 210 gallons per capita. The cost to the consumer is one cent for twenty-five gallons.

Water is distributed by the division by gravity. Water is also supplied by the two High Pressure Pumping Stations operated by the Fire Department in the high-valuation section of mercantile Boston.

Relocation of the Water Division was made from Old City Hall Annex to the New City Hall on November 21 and 22, 1968, with no confusion or interruption of service to the public.

### MDC Water Assessment

The Metropolitan District Commission's assessment for 1968 will amount to \$5,673,420.96 for 47,278,508,000 gallons of water, at the rate of one hundred and twenty (120) dollars per million gallons.

### Employees

The number of permanent employees with the Water Division on December 31, 1968, was 275, as compared to a total of 271 on December 31, 1967.

### ADMINISTRATIVE SECTION

All of the important clerical and administrative functions of the Water Division are performed by the Administrative Section. This section assists the Division Engineer in the preparation of annual budget estimates and requests, and prepares correspondence, reports, memoranda and notices; receives requests and prepares overtime authorizations and furnishes information to the public regarding this division's activities and regulations. The Administrative Section is staffed by one Administrative Assistant, one Senior Clerk-Stenographer, and one Senior Clerk-Typist.



### Business Unit

The processing of all functions in relation to the revenue from water supply and service is the responsibility of this office. These functions include the processing of applications for new services and fire pipes, the reading of more than 93,000 accounts quarterly and/or semi-annually, requesting the testing, installation or removal of meters, and the handling of complaints or inquiries concerning charges rendered. Water Division gross receipts amounted to \$9,475,471.06 in 1968.

Employees of the Business Unit answer inquiries from the public regarding the sewer use charge.

The Business Unit processes and resolves all petitions for abatement, including those petitions for abatement of the sewer use charge, when said charge is directly related to water consumption. Sewer use charge petitions, when of a technical nature, are resolved by the Sewer Division. The number of partial abatements of metered water rates granted in 1968 was 399 amounting to \$71,086.66.

### CONSTRUCTION SECTION

The Construction Section consisted of one Senior Civil Engineer, one Assistant Civil Engineer (temporary), two Senior Engineering Aids (temporary), six Water Service Inspectors and one Principal Clerk. One Principal Civil Engineer is required to bring the Construction Section to full strength.

The following work was accomplished during the year: 527 domestic services were made; 74 fire pipes connected; 150 hydrants established; 115 changed, and 126 abandoned for a new increase of 126.

During the year, a total of 23,541 linear feet of main pipe was laid or relaid, varying in size from 4 inches to 16 inches.

### Main Projects

The Water Division received a federal grant of \$900,000 from the Department of Housing and Urban Development for the construction of two 36-inch trunk water mains in Charlestown and Dorchester; a contract was awarded to Consulting Engineers to provide information, plans and specifications for the construction and installation of the aforesaid water mains.

A contract was awarded for the purchase of 50 high pressure fire hydrants to be manufactured in accordance with plans and specifications revised in 1968 by this division.

In 1968, 4,125 water meters in various sizes were purchased. The Water Division set approximately 6,800 water meters in 1968.

The cleaning and cement lining of 14,700 linear feet of water mains (8 inches, 12 inches, 16 inches, and 24 inches) has been completed in Charlestown under BRA contract. Also, 33 new water gates in sizes ranging from 6 inches to 24 inches have been installed replacing existing gates, and 5,400 feet of new domestic service pipe have been installed in Charlestown replacing old and/or defective water service pipe.

<i>Area No. 1</i>	<i>Extension Linear Feet</i>	<i>Relaid Linear Feet</i>
City Proper	511	2,052
Roxbury	0	0
East Boston	0	0
Charlestown	0	2,064
<i>Area No. 2</i>		
West Roxbury	2,232	0
Hyde Park	1,497	3,797
Brighton	1,187	330
<i>Area No. 3</i>		
Dorchester	0	0
South Boston	0	9,871

### *Summation*

System relaid 3.4 miles, extended 1.03 miles of pipe; established 150 new hydrants, abandoned 126 hydrants for an increase of 24 hydrants. The Water Division replaces 50 or more old and/or defective hydrants under contract each year.

### MAINTENANCE SECTION

The Maintenance Section consists of one Associate Civil Engineer, one Junior Engineering Aid (temporary), one Senior Clerk-Stenographer, one Principal Clerk and with the aid of the personnel of the Construction Section, assisted in supplying official information to the public concerning all hydraulic problems, main pipe and service pipe locations; processed applications for new or enlarged

domestic and fire services, and maintained official records, plans and pressure charts, and generally supervised the three Water Division yards. Additional personnel required for this section are one Senior Civil Engineer and two Senior Engineering Aids.

### *Area Yards*

AREA No. 1 — 710 Albany Street, Boston

Services: Charlestown, North and West Ends, Back Bay, Stuart, South End, East Boston, Elm Hill, Dudley, Mission Hill, and Roxbury

AREA No. 2 — 327 Forest Hills Street, Jamaica Plain

Services: Jamaica Plain, Brighton, West Roxbury, and Hyde Park

AREA No. 3 — 160 Hancock Street, Dorchester

Services: Dorchester and South Boston

These yards are responsible for the repair and maintenance of main pipes, service and fire pipes, hydrants, gates and providing emergency and general service to the public. The main yard at 710 Albany street maintains emergency crews around the clock for any water service that may be required in any section of the city.

The main yard and two area yards were assisted by three contractors. The contractual work consisted of excavation and backfilling to allow Water Division employees to repair leaks, lay or relay water services, change hydrants and repair or replace defective appurtenances. This contractual work was performed in a satisfactory manner and is of value in providing service to the public.

The Maintenance Shops handled all drilling of services in the main yard and assisted, in case of emergency, in the area yards. These shops repair defective hydrants, defective gates (in the ground, if possible) and rebuild corporation, tapping and high pressure gates. Along with this work, the Maintenance Shops render assistance to other branches of the Public Works Department in many special jobs. The Meter Shop installs new large

meters, changes worn and defective meters, tests and repairs water meters, and maintains records of all meters in and out of service. More than forty-five hundred water meters in various sizes were installed by the Meter Shop during 1968, replacing connection pieces, non-registering water meters, and to meter new accounts.

Domestic Service Applications . . . . .	562
Fire Pipe Applications . . . . .	85
Special Meter Tests . . . . .	55
Hydrant Permits Issued . . . . .	30
Repair Deposits Received . . . . .	133
Shutting Off and Turning On Water:	
Shut-off for Repairs . . . . .	2,378
Turned on after Repairs . . . . .	1,614
Shut-off for Vacancy . . . . .	95
Turned on for Occupancy . . . . .	30
Shut-off for Nonpayment . . . . .	4
Turned on after Nonpayment . . . . .	0
Shut-off for Waste . . . . .	2
Turned on after Waste . . . . .	0
New Service Pipes Turned On . . . . .	527
New Fire Pipes Turned On . . . . .	74



ANNUAL REPORT  
OF THE  
PUBLIC IMPROVEMENT COMMISSION  
FOR THE YEAR ENDING DECEMBER 31, 1968

January 2, 1969.

HON. KEVIN H. WHITE,  
*Mayor of Boston.*

*Through the Commissioner of Public Works.*

DEAR MR. MAYOR:

In accordance with the provisions of Section 36, Chapter 21, of the Revised City Ordinances of 1961, the following report of the Public Improvement Commission for the year ending December 31, 1968, is respectfully submitted.

LAYOUTS WITH CONSTRUCTION

The following streets were ordered laid out and constructed as public ways during the year 1968:

Beaver Street, Hyde Park District, from Cleveland Street approximately 535 feet northeasterly. Length, 535 feet; estimated cost, \$17,088; estimated benefit, \$8,133.06.

Bremen Terrace, West Roxbury District, from Orchardhill Road approximately 180 feet northerly. Length, 180 feet; estimated cost, \$8,800; estimated benefit, \$5,117.13.

Carol Circle, West Roxbury District, from Washington Street approximately 460 feet northwesterly. Length, 460 feet; estimated cost, \$15,258; estimated benefit, \$7,629.

Dedham Street, Hyde Park District, from a point approximately 600 feet west of Reservation Road approximately 720 feet westerly. Length, 720 feet; estimated cost, \$25,056; estimated benefit, \$12,528.

DeRoma Road, West Roxbury District, from St. Theresa Avenue approximately 300 feet southwesterly. Length, 300 feet; estimated cost, \$10,028; estimated benefit, \$5,014.

Hardwick Terrace, Brighton District, from Hardwick Street approximately 110 feet northeasterly. Length, 110 feet; estimated cost, \$6,100; estimated benefit, \$3,050.

Harvard Terrace, Brighton District, from Harvard Avenue approximately 285 feet westerly. Length, 285 feet; estimated cost, \$11,638; estimated benefit, \$5,819.

Prospect Circle, Hyde Park District, from Prospect Street approximately 185 feet southeasterly. Length, 185 feet; estimated cost, \$7,510; estimated benefit, \$3,755.

Seattle Street, Brighton District, from a point approximately 90 feet northwest of Hopedale Street approximately 380 feet northwesterly. Length, 380 feet; estimated cost, \$16,058; estimated benefit, \$8,637.70.

Sunset Hill Road, West Roxbury District, from West Roxbury Parkway approximately 760 feet southeasterly. Length, 760 feet; estimated cost, \$22,966.92; estimated benefit, \$11,483.46.

Thompson Street, Hyde Park District, from a point approximately 700 feet southwest of Franklin Street approximately 600 feet southwesterly. Length, 600 feet; estimated cost, \$28,032; estimated benefit, \$14,016.03.

#### LAYOUTS WITHOUT CONSTRUCTION

The following streets were ordered laid out without construction as public ways during the year 1968:

Ames Street, Dorchester District, extended from the end of the public portion approximately 620 feet easterly. Length, 600 feet.

Ledgemere Road, Brighton District, from Chestnut Hill Avenue approximately 200 feet easterly. Length, 200 feet.

Martha Road, Boston Proper, extended from a point approximately 500 feet east of Leverett Circle to Lomasney Way (formerly Lowell Street).

Staniford Street, Boston Proper District, over a portion of William Cardinal O'Connell Way.

Stratton Street, Dorchester District, extended from the end of the public portion to Ames Street.

Westview Street, Dorchester District, extended from the end of the public portion approximately 680 feet easterly.

#### WIDENINGS AND RELOCATIONS

Aldrich Street, West Roxbury District, at the southerly and easterly corners of Beryl Street.

Arlington Street, Hyde Park District, at the southerly corner of Elm Street.

Ascot Street, Brighton District, at the northerly and westerly corners of Litchfield Street.

Benson Street, Brighton District, at the southerly and easterly corners of Litchfield Street, and the northerly and westerly corners of Antwerp Street.

Chisholm Road, West Roxbury District, at the easterly corner of Cornell Street.

Collins Street, Hyde Park District, at the southeasterly corner of Metropolitan Avenue, and the southeasterly and southwesterly corners of Huntington Avenue.

Court Street, Boston Proper District, on the northerly side, between Cambridge Street and Franklin Avenue.

Cresthill Road, Brighton District, at the bend on the southerly side of the northerly leg approximately 300 feet west of Parsons Street; at the bend on the northerly side of the southerly leg approximately 323 feet west of Parsons Street; and at the northwesterly corner of Parsons Street.

Cygnets Street, Brighton District, at the southerly and easterly corners of Litchfield Street, and the northerly and westerly corners of Antwerp Street.

Doncaster Street, Hyde Park District, at the easterly corner of Dale Street and the southerly corner of Metropolitan Avenue.

Everett Street, Brighton District, at the northeasterly and northwesterly corners of North Beacon Street.

Fargo Street, South Boston District, on the southwesterly side, between B Street and C Street.

Forest Hills Street, West Roxbury District, at the northerly and westerly corners of Glen Road.

Gardens Street, Brighton District, at the southerly corner of Etna Street.

Hawkins Street, Boston Proper District, from Chardon Street approximately 300 feet southeasterly and 180 feet northeasterly.

Litchfield Street, Brighton District, at the easterly corner of Lincoln Street.

Lonsdale Street, Dorchester District, at the northwesterly corner of Adams Street.

Lomasney Way, Boston Proper District (formerly Lowell Street), on the westerly side from Staniford Street approximately 125 feet northerly.

Lourdes Avenue, West Roxbury District, at both corners of Forest Hills Street at the northerly entrance; on the southerly side of the northerly entrance from a point approximately 225 feet west of Forest Hills Street approximately 22 feet westerly; on the northerly side of the southerly entrance from a point approximately 222 feet west of Forest Hills Street approximately 9 feet westerly.

Rickerhill Road, West Roxbury District, at the northerly and easterly corners of Manthorne Road.

Saybrook Street, Brighton District, at the southerly corner of Glencoe Street and the westerly corner of Etna Street.

Staniford Street, Boston Proper District, from Cambridge Street to William Cardinal O'Connell Way; on the westerly side, from Lomasney Way (formerly Lowell Street) to William Cardinal O'Connell Way.

Talbot Avenue, Dorchester District, at the westerly corner of Westview Street.

Thompson Street, Hyde Park District, at the southerly corner of Reservation Road.

Tilesboro Street, Dorchester District, at the southeasterly corner of Neponset Avenue.

Warren Street, Roxbury District, from Deckard Street to Hazelwood Street; from Dudley Street to Walnut Avenue.

Washington Street, Boston Proper District, on the westerly side, from Marginal Road to Kneeland Street; on the easterly side, from a point approximately 220 feet south of Bennet Street to Kneeland Street; and on the easterly side, from Broadway to Oak Street.

Western Avenue, Brighton District, at the easterly corner of North Harvard Street.

Widett Circle, Roxbury District, from a point opposite South Bay Avenue on the northerly side of Frontage Road at the John F. Fitzgerald Expressway approximately 260 feet northeasterly, thence in a circular direction approximately 3,760 feet to the point of beginning.

William Cardinal O'Connell Way, Boston Proper, at the southwesterly corner of Staniford Street.

#### SPECIFIC REPAIRS

Aberdeen Street, Roxbury District, at both corners of Beacon Street.

Adams Street, Dorchester District, in Pierce Square at Washington Street.

Arlington Street, Hyde Park District, at both corners of Hyde Park Avenue and Elm Street.

Boylston Street, Boston Proper District, on the southerly side, from Dartmouth Street to Clarendon Street.

Carmel Street, Roxbury District, at the northeasterly corner of Delle Avenue.

Caton Street, Hyde Park District, at the easterly corner of Hollingsworth Street and the northwesterly corner of River Street.

Centre Street, Dorchester District, at both corners of Seaborn Street, Wainwright Street, Allston Street, Nixon Street, and Samoset Street.

Church Street, West Roxbury District, at the southeasterly and northeasterly corners of Courtney Road.



Cordis Street, Charlestown District, from Warren Street approximately 60 feet northerly (both sides), and from High Street approximately 50 feet southerly (both sides).

Cummington Street, Roxbury District, at both corners of Babbitt Street.

Dartmouth Street, Boston Proper District, from Boylston Street to Beacon Street; from Boylston Street approximately 45 feet northerly; at the northeasterly corners of Marlborough Street and Newbury Street; and at the northeasterly corner of the northerly roadway of Commonwealth Avenue.

East Fifth Street, South Boston District, at the northeasterly and southeasterly corners of K Street; at four corners of M Street, N Street, O Street, and P Street; and at both corners of Farragut Road.

East Second Street, South Boston District, at both corners of Dorchester Street, Emmet Street, and M Street; at four corners of H Street, I Street, and K Street; and at all corners of Vicksburg Street and the southwesterly corner of L Street.

Elm Street, Charlestown District, from Bunker Hill Street approximately 50 feet northerly (both sides), and from Medford Street approximately 50 feet southerly (both sides).

Everett Street, Brighton District, at both corners of Cleve-mont Avenue, Braintree Street, Aldie Street, and Raymond Street; at the southwesterly corner of the entrance to Harvey Steel Road; at four corners of Holton Street; and at the northerly and southerly approaches to the Everett Street Bridge.

Exeter Street, Boston Proper District, on both sides, between Huntington Avenue and Boylston Street.

Falcon Street, East Boston District, at the northwesterly corner of Glendon Street, and at four corners of Putnam Street.

Gardena Street, Brighton District, at both corners of Market Street; four corners of Glencoe Street; the northerly, easterly, and westerly corners of Etna Street; and the northerly corner of Dustin Street.

Gartland Street, West Roxbury District, at the easterly corner of Washington Street.

Hannon Street, Dorchester District, at the northeasterly corner of Morton Street.

Lansdowne Street, Roxbury District, at the southerly corner of Brookline Avenue and the northerly corner of Ipswich Street.

Linden Street, South Boston District, at both corners of East Fourth Street and Thomas Park.

Litchfield Street, Brighton District, at the northerly corner of Lincoln Street, the easterly corner of Holton Street, and both corners of Western Avenue.

Lomasney Way, Boston Proper District, at the interection of Staniford Street.



Nelson Street, Dorchester District, at both corners of Maxwell Street and the northeasterly corner of Selden Street.

New Street, East Boston District, at the southerly corner of Maverick Street, and at a point on the northwesterly side approximately 200 feet from Sumner Street.

Oak Street, Boston Proper District, from Washington Street approximately 85 feet easterly.

Old Harbor Street, South Boston District, at both corners of Telegraph Street, and at the southwesterly corner of Dorchester Street.

Porter Street, East Boston District, at four corners of Orleans Street, both corners of Frankfort Street, and the westerly corner of Bremen Street.

Public Alley No. 419, Boston Proper District, at both corners on the easterly side of Dartmouth Street.

Public Alley No. 424, Boston Proper District, at both corners on the easterly side of Dartmouth Street.

Public Alley No. 434, Boston Proper District, at both corners on the easterly side of Dartmouth Street.

Public Alley No. 439, Boston Proper District, at both corners on the easterly side of Dartmouth Street.

Radnor Street, Brighton District, at both corners of Foster Street.

Saratoga Street, East Boston District, at the northerly and easterly corners of Prescott Street.

Saybrook Street, Brighton District, at the southerly corner of Market Street and the southeasterly corner of Etna Street.

Soley Street, Charlestown District, on the westerly side, from Warren Street approximately 50 feet northerly; and on the easterly side, from Monument Square approximately 50 feet southerly.

Stockton Street, Dorchester District, at the northwesterly corner of Washington Street.

Thompson Street, Hyde Park District, at the westerly corner of Reservation Road.

Tilesboro Street, Dorchester District, at the northerly corner of Neponset Avenue.

Tremlett Street, Dorchester District, at the southeasterly corner of Hooper Street.

Tremont Street, Roxbury District, at the intersection of Lenox Street.

Warren Avenue, Boston Proper District, on the southerly side, from West Newton Street approximately 50 feet southeasterly; between Pembroke Street and West Newton Street.

Warren Street, Roxbury District, between Townsend Street and Hazelwood Street.

Washington Street, Boston Proper District, from Marginal Road to Kneeland Street; easterly side, from Pine Street to 300 feet northerly beyond Oak Street.

Washington Street, Dorchester District, in Pierce Square at Dorchester Avenue.

West Newton Street, Boston Proper District, on the easterly side, from Columbus Avenue approximately 150 feet southeasterly.

Western Avenue and North Harvard Street, Brighton District at their intersection.

Widett Circle, Roxbury District, at Frontage Road.

### SIDEWALKS

In connection with the Acts of 1958, Chapter 245, the Public Improvement Commission ordered the installation of artificial stone sidewalks on the following streets:

Arlington Street, Hyde Park District, between Hyde Park Avenue and River Street.

Belmore Terrace, West Roxbury District, between Boylston Street and Oakview Terrace.

Church Street, West Roxbury District, between Weld Street and the Brookline boundary line.

Collins Street, Hyde Park District, between Hyde Park Avenue and Bradlee Street.

Cummington Street, Roxbury District, between Commonwealth Avenue and Blandford Street.

Durland Street, Brighton District, between Hardwick Street and the dead end.

Everett Street, Brighton District, between North Beacon Street and Western Avenue.

Falcon Street, East Boston District, between Bennington Street and Boardman Street.

George Street, Hyde Park District, between River Street and Danbury Road.

Jeffries Street, East Boston District, between Maverick Street and Marginal Street.

Leyden Street, East Boston District, between Walley Street and Boardman Street.

Lourdes Avenue, West Roxbury District, from the northerly entrance of Forest Hills Street to the southerly entrance of Forest Hills Street.

Pierce Street, Hyde Park District, between Fairmount Avenue and Riverside Square.

Thompson Street, Hyde Park District, between Reservation Road and approximately 680 feet southwest of Franklin Street.

## DISCONTINUANCES

Atlantic Avenue, Boston Proper District, a portion on the easterly side from a point approximately opposite the northerly line of India Street to a point approximately opposite the southerly line of Storer Street, a distance of approximately 195 feet.

Atlantic Avenue, Boston Proper District, from a point approximately 10 feet north of the southerly line of Milk Street to High Street.

Beach Street, Charlestown District, from Medford Street to the Boston & Maine Railroad.

Bennet Street, Boston Proper District, a portion from Washington Street to Ash Street.

Blagden Street, Boston Proper District, a portion on the northerly side, from Exeter Street approximately 266 feet easterly.

Burlington Avenue, Boston Proper District, on the southwesterly side, from a point approximately 370 feet northwest of Brookline Avenue approximately 100 feet northwesterly.

Cambridge Street, Boston Proper District, on the westerly side from Tremont Street approximately 120 feet northerly.

Hanover Street, Boston Proper District, a portion on the northwesterly side between Union Street and Blackstone Street.

Hawkins Street, Boston Proper District, a portion from a point approximately 95 feet southeast of Chardon Street approximately 95 feet southeast of Chardon Street approximately 200 feet southeasterly.

Haymarket Square, Boston Proper District, a portion at the northwesterly corner of Union Street.

Herman Street, Roxbury District, from Regent Street to Circuit Street.

Hollis Street, Boston Proper District, from Washington Street to Dillaway Street.

India Street, Boston Proper District, from Atlantic Avenue approximately 60 feet westerly.

Iola Street, Dorchester District, from Talbot Avenue to Tonset Street.

Kingman road, Dorchester District, from Westville Street to Dakota Street.

Milk Street, Boston Proper District, on the southerly side, from Atlantic Avenue approximately 130 feet westerly.

Northfield Street, Boston Proper District, from a point approximately 115 feet southeast of Tremont Street to Camden Street.

Park Square, Boston Proper District, a portion on the westerly side, from Boylston Street approximately 245 feet southerly; and portions on the northwesterly side from Boylston Street approximately 90 feet southerly, 150 feet southwesterly, and 95 feet westerly.

Pemberton Square, Boston Proper District, from a point approximately 270 feet east of Somerset Street approximately 70 feet northerly.

Sharon Street, Boston Proper District, from Albany Street to Harrison Avenue.

Stanwood Street, Dorchester District, a portion on the southwesterly side, from Columbia Road approximately 70 feet northwesterly.

Stoughton Street, Boston Proper District, from a point approximately 226 feet southeast of Harrison Avenue to Albany Street.

Tremont Street, Boston Proper District, on the westerly side from Cambridge Street approximately 180 feet southerly.

Trinity Place, Boston Proper District, from Boylston Street to St. James Avenue.

Union Street, Boston Proper District, a portion from Hanover Street to Sudbury Street.

Washington Street, Boston Proper District, portions on the southeasterly side, between Franklin Street and Milk Street.

Washington Street, Boston Proper District, from Pine Street approximately 114 feet northerly.

Washington Street, West Roxbury District, on the northwesterly side, from Grouse Street approximately 150 feet southwesterly.

Westview Street, Dorchester District, from Talbot Avenue to Tonset Street.

#### STREET NAME CHANGES

Granite Street, South Boston District, from A Street to Mt. Washington Avenue. New name: Sobin Park.

Lowell Street, Boston Proper District, from Causeway Street to Nashua Street. New name: Lomasney Way.

Washington Street North, Boston Proper District, from Haymarket Square to City Square. New name: North Washington Street.

#### REVISION OF GRADE

Washington Street, Boston Proper District, from Kneeland Street to Marginal Road.



## TRANSFER OF LAND

Copley Square, Boston Proper District, the dedication to public street and public park uses certain City of Boston lands, pursuant to the provisions of Chapter 143, Acts of 1965.

## SLOPE EASEMENTS

Bremen Terrace, West Roxbury District, in Private Land on the westerly and northerly sides of Bremen Terrace.

Dedham Street, Hyde Park District, on the northerly side, from a point approximately 220 feet west of Reservation Road approximately 1,100 feet westerly; on the southerly side, from a point approximately 1,100 feet west of Reservation Road approximately 230 feet westerly.

Everett Street, East Boston District, at the intersection of Private Land, on the northeasterly and southwesterly sides, from a point approximately 260 feet southeast of Lamson Street approximately 70 feet southeasterly.

Thompson Street, Hyde Park District, on the southeasterly side, from a point approximately 600 feet southwest of Franklin Street approximately 150 feet southwesterly.

## ABANDONMENT OF SLOPE EASEMENT

Lincoln Street, Brighton District, from a point approximately 210 feet west of Mansfield Street approximately 480 feet westerly.

## LAND DAMAGE

On new street construction 103 claims were filed for damages to property resulting from land takings or changes in grades. On these claims, the Public Improvement Commission awarded damages in the amount of \$17,345.02.

## SEWER PROGRAM

During the year 1968 the construction of 2.24 miles of sanitary sewer, 1.74 miles of surface drain, 51 catch basins, and 1 drop inlet were ordered at a total estimated cost of \$1,205,741.

The following sewer easements were ordered discontinued:

Compton Street, Boston Proper District, from Washington Street to Shawmut Avenue.



Private Land (formerly Leather Square), Boston Proper District, from Matthews Street approximately 160 feet northwesterly.

Private Land (formerly Pemberton Square), Boston Proper District, from a point approximately 48 feet west of Tremont Street approximately 200 feet westerly, 150 feet southerly, and 170 feet northerly.

Private Land, Dorchester, from a point approximately 250 feet northeast of Geneva Avenue approximately 170 feet northeasterly.

Private Land, Roxbury District, from Alpine Street to Circuit Street.

Private Land, Roxbury District, from Alpine Street to a point approximately 60 feet west of Circuit Street.

Private Land (formerly Hollander Street), Roxbury District, from Humboldt Avenue approximately 340 feet northwesterly.

The following sewer easement was widened:

Private Land (Brandywyne Village), East Boston District, from Saratoga Street 50 feet northwesterly along Brandywyne Drive from approximately 155 feet northeasterly.

Sewerage works were ordered as follows:

SEWERAGE WORKS ORDERED

STREET	Sanitary Sewer Linear Feet	Surface Drain Linear Feet	Catch Basin	Drain Inlet	Cost	Estimated Benefit
<b>Boston Proper</b>						
Charles Street South....	365	349	.....	.....	\$40,000 00	None
*Lathrop Place.....	124	.....	.....	.....	7,500 00	None
*Private Land (Pemberton Square).....						
*Private Land (Belvidere Street).....	950	340	.....	.....	203,400 00	None
<b>Brighton</b>						
Seattle Street.....	505	.....	2	.....	15,345 00	None
<b>Charlestown</b>						
*Private Land (Beach Street).....	675	.....	.....	.....	275,000 00	None
<b>Dorchester</b>						
*Canaan Street.....	340	234	.....	.....	10,680 00	None
*Colorado Street.....	290	288	.....	.....	10,920 00	None
*Private Land (Harvard Street).....						
<b>East Boston</b>						
*Brandywyne Drive } Trustman Terrace }	1,070	2,303	11	.....	203,590 00	\$66,105 00
<b>Hyde Park</b>						
*Beaver Street.....	150	150	2	.....	9,500 00	None
*Brushwood Circle.....	280	280	2	.....	10,500 00	None
Collins Street.....	285	234	.....	.....	10,600 00	None
*Crown Point Drive.....	416	.....	4	.....	44,260 00	None
*Danny Road.....	415	401	3	.....	14,030 00	None
*Fieldmont Street.....	125	105	.....	.....	12,800 00	None
*Georgetown Drive.....	2,384	1,324	16	.....	131,850 00	None
*Margaretta Drive.....	700	529	5	.....	41,900 00	None
*Sanford Street.....	792	792	4	.....	23,300 00	None
<b>Roxbury</b>						
*Leslie Park.....	178	178	.....	1	11,000 00	None
*Private Land.....	100	100	.....	.....	3,500 00	None
<b>West Roxbury</b>						
*Private Land.....	.....	290	.....	.....		
*Private Land.....	763	764	.....	.....	22,066 00	None
*Westgate Road.....	953	532	2	.....	104,000 00	\$50,326 00

\*Easements Taken

PRIVATE WAYS

During the year 1968 permission was given to prepare for public travel the following private ways:

Crown Point Drive, Hyde Park, from Margaretta Drive to Margaretta Drive.

Georgetown Drive, Hyde Park and West Roxbury, from a point approximately 110 feet southwest of Willers Street approximately 2,900 feet southeasterly to the MDC Dedham Parkway.

Margaretta Drive, Hyde Park, from Georgetowne Drive approximately 660 feet easterly and southerly.

Parkside Drive, West Roxbury, from existing Parkside Drive approximately 360 feet northeasterly.

During the year 1968 permission was given to open for public travel the following private ways:

Blueview Circle, West Roxbury, from Blueview Road approximately 330 feet southerly.

Blueview Road, West Roxbury, from Woodley Avenue to Boundary Road.

Cedarcrest Lane, West Roxbury, from Cedarcrest Road to West Boundary Road.

Cedarcrest Road, West Roxbury, from Cedarcrest Circle to West Boundary Road.

Crosstown Avenue, West Roxbury, between Salman Street and Vogel Street.

### ASSESSMENTS

During the year 1968 the Highway Division of the Public Works Department sent notice of completion of thirteen streets at a total cost of \$598,247.34. On this work the Public Improvement Commission levied assessments in the amount of \$227,873.14.

During the same period the Sewer Division of the Public Works Department reported the completion of construction of sanitary sewerage in seven streets at a cost of \$193,070.54, on which the Public Improvement Commission levied assessments in the amount of \$100,331.13.

During the year 1968 the Highway Division of the Public Works Department sent notice of completion of sidewalks in sixteen streets at a total cost of \$125,105.77. On this the Public Improvement Commission levied assessments of \$33,791.83.

## STREET ASSESSMENTS

STREET	Cost	Assessment
American Legion Highway, Hyde Park . . . . .	\$304,695 54	\$128,392 23
Belle Avenue, West Roxbury . . . . .	57,977 33	14,252 00
Crane Street, Hyde Park . . . . .	10,145 20	4,503 50
Delhi Street, Dorchester . . . . .	90,635 23	28,918 13
Elm Lawn, Dorchester . . . . .	14,971 05	6,285 30
Fawndale Road, West Roxbury . . . . .	21,324 61	6,078 00
Hillis Road, Hyde Park . . . . .	14,574 34	5,044 00
Macullar Road, West Roxbury . . . . .	17,738 68	3,583 62
Red Pine Road, West Roxbury . . . . .	11,291 79	5,135 00
Salman Street, West Roxbury . . . . .	21,730 94	10,054 36
Slocum Road, West Roxbury . . . . .	18,788 33	9,594 00
Stone Terrace, Dorchester . . . . .	9,098 94	3,545 00
Westbourne Terrace, Brighton . . . . .	5,275 36	2,488 00
Total . . . . .	\$598,247 34	\$227,873 14

## SEWER ASSESSMENTS

STREET	Cost	Assessment
Corcoran Drive, Hyde Park . . . . .	\$6,416 99	\$6,954 45
Lathrop Place, Boston Proper . . . . .	5,535 67	2,767 85
Parkside Drive, West Roxbury . . . . .	36,975 78	20,798 90
Poplar Street, West Roxbury . . . . .	1,486 87	1,114 50
Private Land, West Roxbury . . . . .	17,100 45	8,550 23
Sunset Hill Road, West Roxbury . . . . .	17,456 02	9,819 00
Westgate Road, West Roxbury . . . . .	108,098 76	50,326 00
Total . . . . .	\$193,070 54	\$100,331 13

## SIDEWALK ASSESSMENTS

STREET	Cost	Assessment
Alpheus Road, West Roxbury . . . . .	\$8,879 30	\$3,182 00
Arklow Street, Roxbury . . . . .	2,294 00	251 00
Bateman Street, Hyde Park . . . . .	10,724 90	2,604 00
Blanchard Street, Roxbury . . . . .	1,322 15	392 00
Charles Street, Hyde Park . . . . .	4,722 59	2,226 00
Deerfield Street, Boston Proper . . . . .	887 80	362 00
Franklin Terrace, Hyde Park . . . . .	3,906 55	1,918 00
Grew Hill Road, Hyde Park . . . . .	7,184 80	1,335 00
Jacob Street, Dorchester . . . . .	10,205 56	5,803 83
Lodgehill Road, Hyde Park . . . . .	9,107 20	764 00
Mt. Pleasant Street, Hyde Park . . . . .	6,737 32	2,664 00
Readville Street, Hyde Park . . . . .	39,441 78	10,835 00
Temple Street, Dorchester . . . . .	10,550 50	1,944 00
Walton Street, Dorchester . . . . .	3,037 02	584 00
Revere Street, West Roxbury . . . . .	2,304 50	1,135 00
Weeks Avenue, Hyde Park . . . . .	3,799 80	792 00
Total . . . . .	\$125,105 77	\$33,791 83

During the period of this report 152 petitions for public utilities were approved for the placing and maintaining of poles for the support of wires.

Also, 209 petitions were approved for miscellaneous installations or uses of the public highways of the City of Boston, as follows:

STREET	Petitioner	Nature of Petition
Alaska Street, Roxbury	Boston Gas Company	Gas main
Alexander Street, Dorchester	Boston Gas Company	Gas main
Alford Street, Boston Proper	Boston Edison Company	Fuel oil lines
Alpine Street, Roxbury (2)	Boston Gas Company	Gas mains
Arlington Street, Boston Proper	Boston Gas Company	Gas main
Atlantic Avenue, Boston Proper	Boston Gas Company	Gas main
Atlantic Avenue, Boston Proper	Union Freight Railroad	Alteration of railroad tracks
Avon Street, West Roxbury	Boston Gas Company	Gas main
Beacon Street, Boston Proper	Boston Gas Company	Gas main
Beech Street, West Roxbury	Boston Gas Company	Gas main
Bellevue Street, Dorchester	Boston Gas Company	Gas main
Bennington Street, East Boston	Boston Gas Company	Gas main



STREET	Petitioner	Nature of Petition
Berkeley Street, Boston Proper	John Hancock Life Insurance Company	Observation wells
Beverly Street, Boston Proper (3)	Boston Edison Company	Fuel oil lines
Beverly Street, Boston Proper	Boston Edison Company	Conduit
Blue Hill Avenue, Roxbury (7)	Boston Gas Company	Gas mains
Bowdoin Avenue, Dorchester	Boston Gas Company	Gas main
Bowdoin Street, Dorchester	Boston Gas Company	Gas main
Boylston Street, Boston Proper	Boston Edison Company	Conduit
Brook Street, Brighton	Boston Gas Company	Gas main
Brookledge Street, Roxbury	Boston Gas Company	Gas main
Brookline Avenue, Roxbury	New England Deaconess Hospital	Tunnel
Brunswick Street, Dorchester	Boston Gas Company	Gas main
Caledonian Avenue, West Roxbury	Boston Gas Company	Gas main
Cambridge Street, Boston Proper	Boston Gas Company	Gas main
Cambridge Street Avenue, Boston Proper	Boston Gas Company	Gas main
Cambridge Street, Charlestown	Boston Gas Company	Gas main
Cambridge Street Extension, Charlestown	Boston Gas Company	Gas main
Cass Street, West Roxbury	Boston Gas Company	Gas main
Castlegate Road, Dorchester	Boston Gas Company	Gas main
Causeway Street, Boston Proper (4)	Boston Edison Company	Conduits
Causeway Street, Boston Proper (2)	Boston Edison Company	Fuel oil lines
Cedar Street, Dorchester	Boston Gas Company	Gas main
Central Wharf, Boston Proper	Boston Gas Company	Gas main
Centre Street, West Roxbury	Boston Gas Company	Gas main
Charles Street, Dorchester	Boston Gas Company	Gas main
Chelsea Street, East Boston	Boston Gas Company	Gas main
Cheney Street, Roxbury	Boston Gas Company	Gas main
Chestnut Hill Avenue, Brighton	Boston Gas Company	Gas main
Church Street, Boston Proper	Boston Gas Company	Gas main
Circuit Street, Roxbury	Boston Gas Company	Gas main
City Square, Charlestown	Boston Edison Company	Fuel oil lines
Clarendon Street, Boston Proper	John Hancock Life Insurance Company	Observation wells
Clearway Street, Boston Proper	Boston Gas Company	Gas main
Cleveland Circle, Brighton	Boston Gas Company	Gas main
Coleridge Street, East Boston	Boston Gas Company	Gas main
Columbia Road, Dorchester (4)	Boston Gas Company	Gas mains
Commonwealth Avenue, Boston Proper	Boston University	Masonry flower boxes
Congress Street, Boston Proper	Boston Edison Company	Conduit
Congress Street, Boston Proper	First National Bank	Temporary excavation supports
Conley Street, Dorchester	Boston Gas Company	Gas main

STREET	Petitioner	Nature of Petition
Court Square, Boston Proper	Boston Edison Company	Conduit
Court Square, Boston Proper	Boston Gas Company	Gas main
Court Square East, Boston Proper	Boston Edison Company	Conduit
Court Street, Boston Proper	Boston Gas Company	Gas main
Creston Street, Roxbury	Boston Gas Company	Gas main
Cross Street, Charlestown	Boston Gas Company	Gas main
Cumberland Street, Boston Proper	Boston Gas Company	Gas main
Dalton Street, Boston Proper	Boston Gas Company	Gas main
Dartmouth Street, Boston Proper	Boston Edison Company	Conduit
Dartmouth Street, Boston Proper	Boston Gas Company	Gas main
Deckard Street, Roxbury	Boston Gas Company	Gas main
Devon Street, Dorchester	Boston Gas Company	Gas main
Dock Square, Boston Proper	Boston Gas Company	Gas main
Dorchester Avenue, Dorchester	Boston Gas Company	Gas main
Eagle Square, East Boston	Boston Gas Company	Gas main
East Eagle Street, East Boston	Boston Gas Company	Gas main
East Fifth Street, South Boston	Boston Gas Company	Gas main
East First Street, South Boston	Boston Gas Company	Gas main
East First Street, South Boston	Boston Edison Company	Fuel oil lines
East Newton Street, Boston Proper	Boston Edison Company	Conduit
East Newton Street, Boston Proper	University Hospital, Inc.	Walkway
East Second Street, Boston Proper	Boston Edison Company	Thermocouple
East Sixth Street, South Boston (2)	Boston Gas Company	Gas mains
Edgerly Place, Boston Proper	Boston Gas Company	Gas main
Ellwood Street, Charlestown	Boston Gas Company	Gas main
Elm Hill Avenue, Roxbury (6)	Boston Gas Company	Gas mains
Elmore Street, Roxbury	Boston Gas Company	Gas main
Esmond Street, Dorchester	Boston Gas Company	Gas main
Faneuil Street, Brighton	Boston Gas Company	Gas main
Fayette Street, Boston Proper	Boston Gas Company	Gas main
Federal Street, Boston Proper	First National Bank	Temporary excavation supports
Foodmart Road, Boston Proper	Boston Gas Company	Gas main
Forest Street, Roxbury	Boston Gas Company	Gas main
Forsyth Street, Boston Proper	Boston Edison Company	Conduit
Franklin Street, Boston Proper	First National Bank	Temporary excavation supports
Franklin Street, Boston Proper	Suffolk Franklin Savings Bank	Snow melting cables
Furnival Road, West Roxbury	Boston Gas Company	Gas main
Geneva Avenue, Roxbury	Boston Gas Company	Gas main
Glendower Street, West Roxbury	Boston Gas Company	Gas main

STREET	Petitioner	Nature of Petition
Glenmont Road, Brighton	Boston Gas Company	Gas main
Greenville Street, Roxbury	Boston Gas Company	Gas main
Greenwich Court, Roxbury	Boston Gas Company	Gas main
Greenwich Street, Roxbury	Boston Gas Company	Gas main
H Street, South Boston	Boston Gas Company	Gas main
Harold Street, Roxbury (4)	Boston Gas Company	Gas mains
Harrison Avenue, Boston Proper	Boston Edison Company	Conduit
Hawley Street, Boston Proper	Suffolk Franklin Savings Bank	Snow Melting Cables
Hemenway Street, Boston Proper	Boston Edison Company	Conduit
Hereford Street, Boston Proper (2)	Boston Edison Company	Conduits
High Street, Boston Proper	Massachusetts Bay Transit Authority	Soldier beams
Hollander Street, Roxbury (3)	Boston Gas Company	Gas mains
Holworthy Street, Roxbury (2)	Boston Gas Company	Gas mains
Homestead Street, Roxbury (2)	Boston Gas Company	Gas mains
Hull Street, Boston Proper	Boston Gas Company	Gas main
Humboldt Avenue, Roxbury (6)	Boston Gas Company	Gas mains
Huntington Avenue, Boston Proper	Boston Edison Company	Conduit
Hutchings Street, Roxbury	Boston Gas Company	Gas main
I Street, Boston	Boston Edison Company	Thermocouple
Joslin Park, Roxbury	New England Deaconess Hospital	Tunnel
Keith Street, West Roxbury	Boston Gas Company	Gas main
Kemble Street, Roxbury	Boston Gas Company	Gas main
Kenrick Street, Brighton	Boston Gas Company	Gas main
Kittredge Street, West Roxbury	Boston Gas Company	Gas main
L Street, South Boston	Boston Gas Company	Gas main
La Grange Street, West Roxbury	Boston Gas Company	Gas main
Levant Street, Dorchester	Boston Gas Company	Gas main
Magnolia Street, Dorchester	Boston Gas Company	Gas main
Manchester Street, Dorchester	Boston Gas Company	Gas main
Maple Street, West Roxbury	Boston Gas Company	Gas main
Matthews Street, Boston Proper	First National Bank	Temporary excavation supports
Mayfair Street, Roxbury	Boston Gas Company	Gas main
Melrose Street, Boston Proper	Boston Gas Company	Gas main
Myrick Street, Brighton	Boston Gas Company	Gas main
N Street, South Boston	Boston Gas Company	Gas main
New Chardon Street, Boston Proper (2)	Boston Edison Company	Conduits
New Chardon Street, Boston Proper	Catholic Archdiocese	Sidewalk occupancy
New Chardon Street, Boston Proper (2)	Boston Gas Company	Gas mains
New Congress Street, Boston Proper	Boston Gas Company	Gas main

STREET	Petitioner	Nature of Petition
New Franklin Street, Boston Proper	Boston Edison Company	Conduit
New Hawkins Street, Boston Proper	Boston Edison Company	Conduit
New Hawkins Street, Boston Proper (2)	Boston Gas Company	Gas mains
Newbury Street, Boston Proper	Boston Edison Company	Conduit
Newmarket Square, Roxbury	Boston Gas Company	Gas main
Normandy Street, Dorchester	Boston Gas Company	Gas main
North Hudson Street, Boston Proper	Boston Gas Company	Gas main
Old Harbor Street, South Boston	Boston Gas Company	Gas main
Pasadena Road, Dorchester	Boston Gas Company	Gas main
Pearl Street, Charlestown (4)	Boston Gas Company	Gas mains
Pie Alley, Boston Proper	Boston Edison Company	Conduit
Piedmont Street, Boston Proper	Boston Gas Company	Gas main
Pilgrim Road, Roxbury	New England Deaconess Hospital	Tunnel
Pond Street, West Roxbury	Boston Gas Company	Gas main
Poplar Street, West Roxbury	Boston Gas Company	Gas main
Port Norfolk Street, Dorchester	Boston Gas Company	Gas main
Portland Street, Boston Proper	Boston Edison Company	Conduit
Powell, West Roxbury	Boston Gas Company	Gas main
Prescott Street, East Boston	Boston Gas Company	Gas main
Princeton Street, East Boston	Boston Gas Company	Gas main
Proposed Service Road, Boston Proper	Boston Gas Company	Gas main
Providence Street, Boston Proper	Statler Hilton Hotel	Snow melting equipment
Public Alley No. 402, Boston Proper	Boston Edison Company	Conduit
Public Alley No. 440, Boston Proper	Boston Edison Company	Conduit
Public Alley No. 443, Boston Proper	Boston Edison Company	Conduit
Purchase Street, Boston Proper	Massachusetts Bay Transit Authority	Soldier beams
Putnam Street, Charlestown	Boston Gas Company	Gas main
Quincy Street, Roxbury	Boston Gas Company	Gas main
Regent Street, Roxbury (2)	Boston Gas Company	Gas mains
Ridgeway Lane, Boston Proper	Boston Gas Company	Gas main
Robken Street, West Roxbury	Boston Gas Company	Gas main
Rutherford Avenue, Charlestown	Boston Edison Company	Fuel oil lines
Ruthven Street, Roxbury (3)	Boston Gas Company	Gas mains
St. James Avenue, Boston Proper	John Hancock Insurance Company	Observation wells
St. James Street, Roxbury	Boston Gas Company	Gas main
Savin Hill Avenue, Dorchester	Boston Gas Company	Gas main
Seaver Street, Roxbury (5)	Boston Gas Company	Gas mains
Snow Hill Street, Boston Proper	Boston Gas Company	Gas main
Somerset Street, Boston Proper	Boston Gas Company	Gas main

STREET	Petitioner	Nature of Petition
South Street, Boston Proper	Boston Edison Company	Conduit
Spring Street, West Roxbury	Boston Gas Company	Gas main
Stanley Street, Dorchester	Boston Gas Company	Gas main
Stuart Street, Boston Proper	Boston Edison Company	Conduit
Stuart Street, Boston Proper	John Hancock Life Insurance Company	Observation wells
Sullivan Square, Charlestown	Boston Edison Company	Fuel oil lines
Summer Street, Boston Proper	Boston Edison Company	Thermocouple
Summer Street, South Boston (2)	Boston Gas Company	Gas mains
Summer Street, Dorchester	Boston Gas Company	Gas main
Temple Place, Boston Proper	Boston Edison Company	Conduit
Topliff Street, Dorchester	Boston Gas Company	Gas main
Tremont Street, Roxbury (2)	Boston Gas Company	Gas mains
Trilling Way, South Boston	Boston Gas Company	Gas main
Trinity Place, Boston Proper	John Hancock Life Insurance Company	Observation wells
Utica Street, Boston Proper	Boston Edison Company	Conduit
Victory Road, Dorchester (3)	Boston Gas Company	Gas mains
Wabeno Street, Roxbury	Boston Gas Company	Gas main
Wabon Street, Roxbury	Boston Gas Company	Gas main
Wakullah Street, Roxbury	Boston Gas Company	Gas main
Wales Street, Dorchester	Boston Gas Company	Gas main
Walnut Avenue, Roxbury (4)	Boston Gas Company	Gas mains
Walnut Park, Roxbury (2)	Boston Gas Company	Gas mains
Wardman Road, Roxbury	Boston Gas Company	Gas main
Warren Avenue, Boston Proper	Boston Edison Company	Fuel oil lines
Warren Street, Roxbury (3)	Boston Gas Company	Gas mains
Washington Street, Charlestown	Boston Edison Company	Fuel oil lines
Washington Street, Dorchester (4)	Boston Gas Company	Gas mains
Washington Street, West Roxbury	Boston Gas Company	Gas main
West Newton Street, Boston Proper	Boston Edison Company	Conduit
Westminster Avenue, Roxbury	Boston Gas Company	Gas main
Whitney Street, Roxbury	Boston Gas Company	Gas main
Widett Circle, Boston Proper	Boston Gas Company	Gas main
Wilder Street, Dorchester	Boston Gas Company	Gas main
Winchester Street, Boston Proper	Boston Gas Company	Gas main

JOSEPH F. CASAZZA, *Chairman,*

WILLIAM R. McGRATH,

JOHN F. MULHERN,

*Public Improvement Commission.*

FREDERICK L. GARVIN,  
*Chief Engineer*

MICHAEL J. CORRAO,  
*Executive Secretary*



**APPENDIX A**  
**CENTRAL OFFICE**

TABLE 1—Grade and Number of Employees

TABLE 2—Number of Employees

TABLE 3—Appointments, Transfers, Retirements, Etc.  
Permit Branch

TABLE 4—Cash Receipts, Committed Accounts, Etc.

TABLE 5—Permits, Licenses, Deposits  
Maintenance Branch

TABLE 6—Equipment, New Equipment

TABLE 7—Summary of Appropriations

## PERSONNEL SECTION

The records of the department show that there are now 1,447 persons eligible for employment in the several divisions and of that number 1,369 were upon the January 2, 1969, payrolls.

**TABLE 1**  
**TITLE AND NUMBER OF EMPLOYEES**

TITLE	Central Office	Maintenance Branch, Central Office	Highway	Sanitary	Sewer	Engineering	Water	Total
Commissioner of public works . . . . .	1	—	—	—	—	—	—	1
Deputy commissioner and division engineer . . .	—	—	—	1	—	—	—	1
Administrative assistant . . . . .	2	—	1	1	1	1	1	7
Assistant civil engineer . . . . .	—	—	4	—	2	10	1	17
Assistant drawtender . . . . .	—	—	19	—	—	—	—	19
Assistant sewer pumping station operator . . .	—	—	—	—	10	—	—	10
Assistant superintendent . . . . .	—	—	—	—	—	—	1	1
Assistant supervisor . . . . .	—	—	1	—	—	—	—	1
Associate civil engineer . . . . .	—	—	2	—	2	2	1	7
Associate electrical engineer . . . . .	—	—	1	—	—	—	—	1
Cashier and weigh clerk . . . . .	—	—	—	1	—	—	—	1
Chief communications equipment operator . . .	—	1	—	—	—	—	—	1
Chief inspector . . . . .	—	—	1	—	—	—	—	1
Chief sewer pumping station operator . . . . .	—	—	—	—	1	—	—	1
Chief water meter reader . . . . .	—	—	—	—	—	—	1	1
Clerk and typist . . . . .	—	—	—	—	—	—	2	2
Communications equipment operator . . . . .	—	4	—	—	—	—	—	4
Constable . . . . .	1	—	—	—	—	—	—	1
Crane operator . . . . .	—	—	—	9	—	—	—	9
Director of transportation . . . . .	—	1	—	—	—	—	—	1
Division engineer . . . . .	—	—	1	—	1	1	1	4
Drawtender . . . . .	—	—	3	—	—	—	—	3
Electrician . . . . .	—	—	1	—	—	—	—	1
Electrician-operator . . . . .	—	—	—	—	2	—	—	2
Executive secretary (PIC) . . . . .	1	—	—	—	—	—	—	1
Executive secretary (PWD) . . . . .	1	—	—	—	—	—	—	1
First assistant drawtender . . . . .	—	—	16	—	—	—	—	16
Garage attendant . . . . .	—	6	—	—	—	—	—	6

TITLE	Central Office	Maintenance Branch, Central Office	Highway	Sanitary	Sewer	Engineering	Water	Total
Garage foreman.....	—	3	—	—	—	—	1	4
Gas lamp repairman.....	—	—	1	—	—	—	—	1
General foreman.....	—	2	—	—	—	—	—	2
Head account clerk.....	1	—	—	—	—	—	1	2
Head administrative clerk.....	1	1	—	—	—	—	—	2
Head clerk.....	—	1	1	1	1	1	2	7
Head clerk and secretary.....	1	—	—	—	—	—	—	1
Head permit investigator.....	1	—	—	—	—	—	—	1
Head photostat operator.....	—	—	—	—	—	1	—	1
Head storekeeper.....	—	1	—	—	—	—	1	2
Heavy motor equipment operator.....	—	1	56	20	1	—	15	93
Heavy motor equipment repairman.....	—	8	—	—	—	—	—	8
Inspector.....	—	—	73	52	10	—	20	155
Junior civil engineer.....	—	—	4	—	1	9	—	14
Junior engineering aid.....	—	—	6	—	—	9	—	15
Laborer.....	—	—	269	67	16	—	36	388
Maintenance foreman.....	—	5	6	1	2	—	1	15
Maintenance man.....	—	12	—	3	—	—	18	33
Maintenance mechanic (blacksmith).....	—	4	—	—	—	—	—	4
Maintenance mechanic (carpenter).....	—	4	6	—	—	—	—	10
Maintenance mechanic (machinist).....	—	—	1	—	—	—	10	11
Maintenance mechanic (mason).....	—	—	—	—	3	—	1	4
Maintenance mechanic (painter).....	—	2	1	—	—	—	—	3
Maintenance mechanic (plumber).....	—	—	—	—	—	—	6	6
Maintenance mechanic (sheetmetal worker)...	—	1	—	—	—	—	—	1
Maintenance mechanic (water serviceman)...	—	—	—	—	—	—	10	10
Maintenance mechanic (welder).....	—	4	1	—	—	—	—	5
Maintenance mechanic foreman (carpenter)...	—	2	—	—	—	—	—	2
Maintenance mechanic foreman (millwright)...	—	—	—	1	—	—	—	1
Maintenance mechanic helper.....	—	6	—	—	—	—	14	20
Motor equipment operator.....	—	1	57	3	4	—	—	65
Motor equipment repair foreman.....	—	4	—	—	—	—	—	4
Paver.....	—	—	15	—	—	—	—	15
Permit investigator.....	6	—	—	—	—	—	—	6
Personnel assistant.....	1	—	—	—	—	—	—	1
Photographer.....	—	—	—	—	—	1	—	1
Principal cashier.....	1	—	—	—	—	—	—	1

TITLE	Central Office	Maintenance Branch, Central Office	Highway	Sanitary	Sewer	Engineering	Water	Total
Principal clerk . . . . .	—	—	—	2	2	4	—	8
Principal clerk and stenographer . . . . .	1	—	1	1	1	—	1	5
Principal clerk and typist . . . . .	5	—	1	—	1	—	2	9
Principal personnel officer . . . . .	1	—	—	—	—	—	—	1
Principal storekeeper . . . . .	—	1	—	—	—	—	—	1
Sanitation foreman . . . . .	—	—	—	3	—	—	—	3
Senior account clerk . . . . .	—	—	—	—	—	—	2	2
Senior civil engineer . . . . .	—	—	9	—	2	3	1	15
Senior clerk . . . . .	—	—	—	—	—	—	2	2
Senior clerk and stenographer . . . . .	1	—	—	1	—	—	1	3
Senior clerk and typist . . . . .	5	2	5	1	—	1	4	18
Senior engineering aid . . . . .	—	—	6	—	3	8	2	19
Senior storekeeper . . . . .	—	—	—	—	1	—	1	2
Sewer cleaner . . . . .	—	—	—	—	8	—	—	8
Sewer gateman . . . . .	—	—	—	—	12	—	—	12
Sewer pumping station operator . . . . .	—	—	—	—	6	—	—	6
Sewer service repairman . . . . .	—	—	—	—	4	—	—	4
Sign painter and letterer . . . . .	—	1	—	—	—	—	—	1
Special heavy motor equipment operator . . . . .	—	1	5	4	4	—	1	15
Special water meter reader . . . . .	—	—	—	—	—	—	4	4
Steam fireman . . . . .	—	—	—	2	—	—	—	2
Steam fireman (incinerator) . . . . .	—	—	—	3	—	—	—	3
Stoker . . . . .	—	—	—	25	—	—	—	25
Storekeeper . . . . .	—	1	1	—	—	—	—	2
Superintendent . . . . .	—	—	2	2	1	—	1	6
Supervisor . . . . .	—	2	14	6	2	—	5	29
Telephone operator . . . . .	—	—	—	—	—	—	1	1
Water meter reader . . . . .	—	—	—	—	—	—	20	20
Water meter repairman . . . . .	—	—	—	—	—	—	9	9
Water revenue supervisor . . . . .	—	—	—	—	—	—	1	1
Water service maintenance man . . . . .	—	—	—	—	—	—	18	18
Water service repairman . . . . .	—	—	—	—	—	—	35	35
Working foreman . . . . .	—	2	3	5	7	—	17	34
Yard clerk . . . . .	—	—	—	3	—	—	4	7
Yardman . . . . .	—	—	—	—	1	—	1	2
Yardmaster . . . . .	—	—	—	—	—	—	1	1
Totals . . . . .	32	84	594	218	112	51	278	1,369

**TABLE 2**  
**NUMBER OF EMPLOYEES ACTUALLY EMPLOYED**  
**JANUARY 1, 1968, AND JANUARY 1, 1969**

	Central Office	Highway Division	Sanitary Division	Sewer Division	Engi- neering Division	Water Division	Total
January 1, 1968 . . . . .	113	617	218	114	58	273	1,393
January 1, 1969 . . . . .	116	594	218	112	51	278	1,369
Total Eligible Force . . .	138	701	201	120	61	295	1,516

**TABLE 3**  
**APPOINTMENTS, TRANSFERS, RESIGNATIONS,**  
**RETIREMENTS, DEATHS, ETC., OF EMPLOYEES**

Appointed	Reinstated	Transferred from Other Departments	Transferred from Other Divisions	January 1, 1969	Services 1968-1969	January 1, 1968	Resigned	Discharged	Transferred to Other Departments	Transferred to Other Divisions	Retired	Died
6	1	—	3	116	Central Office . . . . .	113	2	—	1	2	1	1
35	3	—	—	594	Highway . . . . .	617	18	8	3	13	15	4
10	—	—	8	218	Sanitary . . . . .	218	7	2	2	—	4	3
7	—	—	3	112	Sewer . . . . .	114	—	3	1	1	6	1
1	—	—	—	51	Engineering . . . . .	58	4	—	—	1	2	1
15	1	1	3	278	Water . . . . .	273	8	2	1	—	2	2
74	5	1	17	1,369	Totals . . . . .	1,393	39	15	8	17	30	11



**TABLE 4**  
**PERMIT BRANCH ACCOUNTS**

CASH RECEIPTS	
Permits — signs . . . . .	\$61,960 00
Permits — openings and occupation . . . . .	71,340 75
Licenses — storage and sale of merchandise . . . . .	21,135 00
Sewer inspection fees . . . . .	6,675 00
Dump tickets . . . . .	42,219 00
Contract books . . . . .	1,470 00
Engineering and inspection fees . . . . .	170,632 90
Special permits . . . . .	5,485 00
Telephone booth locations . . . . .	2,706 34
<b>Total . . . . .</b>	<b>\$383,623 99</b>
COMMITTED ACCOUNTS	
Sewer Division (M.D.C. — Sewer Disposal) . . . . .	\$44,418 00
Rental — city property . . . . .	16,751 00
Water use through city hydrants — Water Division . . . . .	14,512 00
Engineering reproductions . . . . .	122 50
Damage to property — Water Division . . . . .	5,406 31
Damage to property — Highway Division . . . . .	1,753 82
Damage to property — Maintenance Branch . . . . .	350 00
Gardner Street Dump — Sanitary Division . . . . .	1,092 50
<b>Total . . . . .</b>	<b>\$84,406 13</b>
MISCELLANEOUS	
Nonrevenue accounts — United States Government . . . . .	\$93,970 28
P.I.C. minimum pavement . . . . .	2,700 00
Special meter tests . . . . .	165 00
Sewer Division — release sewers . . . . .	648 30
<b>Total . . . . .</b>	<b>\$97,483 58</b>
DEPOSIT ACCOUNTS	
Water deposits . . . . .	\$134,240 00
Street opening account (drain, water, etc.) . . . . .	111,370 46
Street opening account special — (Public Service Corp.) . . . . .	1,160,821 81
<b>Total . . . . .</b>	<b>\$1,406,432 27</b>
<b>Grand Total . . . . .</b>	<b>\$1,971,945 97</b>

**TABLE 5**  
**SUMMARY OF PERMITS**

PERMITS AND LICENSES ISSUED	
Signs . . . . .	5,278
Permits — openings and occupation . . . . .	10,659
Licenses . . . . .	201
Sewer inspection fees . . . . .	149
Dump tickets . . . . .	42,219
<b>Total . . . . .</b>	<b>58,506</b>
DEPOSIT RECEIPTS ISSUED	
Water deposits . . . . .	466
Street opening deposits (drain, water, etc.) . . . . .	509
Contract books . . . . .	495
<b>Total . . . . .</b>	<b>1,470</b>
Driveway applications issued and processed . . . . .	225
Notice of violations issued and served . . . . .	270
<b>Total . . . . .</b>	<b>495</b>

**TABLE 6**  
**AUTOMOTIVE EQUIPMENT**

The Maintenance Branch is responsible for the repairs and maintenance of the Automotive Equipment of the Public Works Department, which consisted of the following on December 31, 1968:

Trojan bucket loaders . . . . .	12
Hough bucket loaders . . . . .	5
Michigan front end loaders . . . . .	7
Ford dump trucks F-850 . . . . .	44
Ford Falcon station wagons . . . . .	54
Ford pickups F-350 . . . . .	33
Ford dump C-850 . . . . .	1
Wayne street sweepers . . . . .	22
Elgin street sweepers . . . . .	4
Worthington compressors . . . . .	15
Ford Netco catch-basin cleaners . . . . .	6
Gallion rollers . . . . .	3
Ford dump trucks C-1100 . . . . .	15
Ford wrecker truck C-1100 . . . . .	1
Cushman truckster . . . . .	2
International dump trucks . . . . .	10
Thermal snow melter . . . . .	1
Ariens snow throwers . . . . .	2
Bombardier snowmobiles . . . . .	8
International bullgrader . . . . .	1
Ingersoll-Rand compressors . . . . .	4
Ford pickups F-250 . . . . .	4
Ford platform C-750 . . . . .	1
Heil dump trailer—5th wheel . . . . .	1
Ford tractor—5th wheel . . . . .	1
Ford F-600 . . . . .	4
Ford walk-in van P-500 . . . . .	5
Ford hydrocrane . . . . .	1
Bay City crane . . . . .	1
Caterpillar tractor . . . . .	4
Ford packmaster C-950 . . . . .	4
Ford pickup trucks F-100 . . . . .	18
Ford dump truck C-600 . . . . .	2
Caterpillar traxcavator . . . . .	1
Wayne wood chipper . . . . .	1
Chevrolet pickup . . . . .	6
Ford Econoline E-160 . . . . .	5
Ford Vanette . . . . .	1
Ford gate turner . . . . .	1
Dynahoe . . . . .	1
International wrecker truck . . . . .	1
Ford Galaxie sedan . . . . .	1
Dodge platform . . . . .	1
Ford wrecker F-850 . . . . .	1
Trailer Field Office . . . . .	6
Flexible sewer rodder . . . . .	1
Flexible power bucket machine . . . . .	2
Fruehauf trailer . . . . .	2
Kiley tool box trailer . . . . .	2
Homemade trailer . . . . .	1
Highway semi-trailer . . . . .	2

Hobart arc welder trailer . . . . .	4
Smithco trailer . . . . .	1
Miller tilt top trailer . . . . .	1
Fork lift . . . . .	3
Dodge Coronet station wagon . . . . .	18
Ford Custom 500 sedan . . . . .	5
Ford dump F-950 . . . . .	50
Mercury sedan . . . . .	1
Dodge sweepers . . . . .	7
Euclid front end loader . . . . .	3
Dodge pickup . . . . .	7
Ford diesel dump . . . . .	2
Flexible truck loader . . . . .	2
Ford high pressure cleaner . . . . .	1
Jaegar pump trailer . . . . .	2
Briggs and Stratton sewer rodder . . . . .	7
Homelite pumps . . . . .	5
Ford F-850 with Derrick . . . . .	1
Gardner-Denver compressor trailer . . . . .	3
Rogers semi-trailer . . . . .	1
Cummins diesel compactor . . . . .	1
International van truck . . . . .	2
Ford dump F-600 . . . . .	1
Ford platform F-600 . . . . .	1

## NEW EQUIPMENT PURCHASED

4	Bombardier sidewalk tractors . . . . .	\$20,684	47
4	Four-wheel street sweepers . . . . .	49,788	00
13	Four-door station wagons . . . . .	33,733	00
2	1½-ton pickup trucks . . . . .	3,660	30
1	C-950 with packer—20-yard body . . . . .	12,580	00
1	T8000—10 wheel chassis and scow end dump body . . . . .	14,613	29
11	Chassis and Cab—C-950 . . . . .	177,647	56
1	C-950 Chassis and Cab with 14-yard scow type body . . . . .	9,723	00
1	¾-ton pickup with power gate . . . . .	3,300	00
6	Two-way radios . . . . .	5,270	00
1	Radio Bay Station . . . . .	6,120	00
1	Four-door sedan . . . . .	4,000	00
1	Fork lift truck . . . . .	6,840	00
10	¾-ton chassis cab F-250 . . . . .	20,321	60
10	Utility bodies with pipe racks . . . . .	8,700	00
1	F-350 dual 1-ton chassis and cab . . . . .	3,147	00
1	F-850 platform truck with crane . . . . .	17,409	51
2	¾-ton pickup trucks . . . . .	5,795	42
1	F-950 chassis and cab . . . . .	5,959	50
1	Nine-foot dump body and hoist . . . . .	1,450	00
12	Salt spreaders . . . . .	22,312	77
1	Air compressor . . . . .	798	00
		<hr/>	
		\$433,853	42

The below-mentioned are expenditures for new equipment in the last six (6) years:

1968 . . . . .	\$433,853	42
1967 . . . . .	917,177	68
1966 . . . . .	262,532	46
1965 . . . . .	290,567	11
1964 . . . . .	331,743	67
1963 . . . . .	335,859	32

TABLE 7  
SUMMARY OF APPROPRIATIONS, EXPENDITURES, AND BALANCES, DECEMBER 31, 1968

	Carried Forward	1968 Appropriations	Transfer	Revenue Received	Total Amount Available	1968 Expenditures	Unexpended Balance	Unliquidated Encumb. & Carry Forward	Unencumb. Balance
General Budget.....	\$691,422	\$14,209,090			\$15,050,512	\$14,071,410	\$979,102	\$496,063	\$483,039
General Down Payment.....		150,000							
General Equipment.....		3,706,850		\$9,445,971	9,500,874	10,030,865	529,991	285,914	915,042
Water Budget.....	54,903	367,835				99,137	99,137		
Water Equipment.....		1,034,038		3,113,404	3,120,974	3,297,750	176,776	10,584	976,466
Sewer Budget.....	7,570	37,450				789,106	789,106		
Sewer Equipment.....		760,000				1,203,615	443,615		443,615
Snow Removal.....		135,000				99,974	35,026	35,026	
Snow Removal Equipment.....	388,024					247,655	140,369	124,000	16,369
Bridge Loan.....	1,526,044					748,490	777,554	710,629	66,925
Sidewalk Loan.....	289,530	1,400,000			1,326,044	1,689,530	1,523,519	79,746	1,443,773
Sewerage Loan.....	1,702,100	1,250,000			2,952,100	973,039	1,979,061	1,866,454	112,607
Public Ways Loan.....	2,811,337	3,000,000		630,691	6,442,028	4,029,695	2,412,333	2,131,685	280,648
Highway — Chapter 782.....	51,155				51,155	29,912	21,243	6,905	14,338
Highway — Chapter 822.....	98,631				98,631	42,112	56,519		
Highway — Chapter 679.....	255,738				255,738	84,457	171,281	57,897	113,384
Highway — Chapter 616.....		1,511,805			1,511,805	305,670	1,206,135	427,326	778,809
Water Mains Loan.....	1,000,000	1,300,000			2,300,000		2,300,000	564,283	1,735,717
Water Meter Loan.....	142,258				142,258	140,511	1,747		1,747
Construction, Bldgs. (Included).....	53,626				53,626	45,708	7,918	326	7,592
Construction, Bldgs. (Loop Area).....	620,801				620,801		620,801	1,750	619,051
Other Department Revenue.....				565,514					
Totals.....	\$9,693,139	\$23,715,895		\$13,190,066	\$46,599,100	\$36,405,117	\$10,193,983	\$6,855,107	\$3,338,876

**APPENDIX B****ENGINEERING DIVISION**

**TABLE 1 — Survey Section Work**

**TABLE 2 — Reproductions**

**TABLE 3 — Contracts Advertised**



**TABLE 1**  
**ENGINEERING DIVISION — SURVEY**  
**SECTION WORK**  
**CROSS SECTIONS**

<i>District</i>	<i>Length in Feet</i>
<b>HYDE PARK</b>	
Ridlon Road . . . . .	9,000
Collins Street . . . . .	400
Beaver Street . . . . .	900
Edgeway Terrace . . . . .	1,000
Dedham Street . . . . .	400
Norton Street . . . . .	1,180
Stonehill Road . . . . .	150
Lodgehill Road . . . . .	150
<b>BOSTON PROPER</b>	
Copley Square . . . . .	
Albany Street Yard . . . . .	
Dartmouth Street . . . . .	300
Bowker Street . . . . .	320
Hawkins Street . . . . .	512
Boylston Street . . . . .	1,700
Exeter Street . . . . .	800
<b>EAST BOSTON</b>	
Everett Street . . . . .	300
Westbrook Street . . . . .	350
<b>SOUTH BOSTON</b>	
Dewar Street . . . . .	500
Northern Avenue . . . . .	400
<b>WEST ROXBURY</b>	
Gardner Street Dump . . . . .	7,000
American Legion Highway . . . . .	1,300
Southbourne Road . . . . .	300
Neponset Avenue . . . . .	300
Vershire Street . . . . .	600
Woodley Avenue . . . . .	461
Forest Hills Cemetery . . . . .	180
Alleyne Street . . . . .	362
Crosstown Avenue . . . . .	1,500
Perham Street . . . . .	450
Blueview Terrace . . . . .	400
Blueview Road . . . . .	1,500
Woodcrest Road . . . . .	1,000
<b>BRIGHTON</b>	
Lincoln Street and Mayflower Street . . . . .	200
Potomac Street . . . . .	148
Hardwick Street . . . . .	300
Oakland Street . . . . .	500

<i>District</i>	<i>Length in Feet</i>
<b>SOUTH DORCHESTER</b>	
Richview Street . . . . .	
Alabama Street . . . . .	280

## CHAPTER 90 SURVEYS

<b>BRIGHTON</b>	
Lincoln Street . . . . .	4,000
Corey Street . . . . .	2,600
<b>WEST ROXBURY</b>	
Metropolitan Avenue . . . . .	2,000
<b>SOUTH DORCHESTER</b>	
Fairmount Street . . . . .	1,000

## SIDEWALK RECONSTRUCTION

<b>HYDE PARK</b>	
Austin Street . . . . .	1,920
Child Street . . . . .	1,000
Gordon Avenue . . . . .	2,080
Poplar Street . . . . .	800
Dale Street . . . . .	1,109

<b>BOSTON PROPER</b>	
Brimmer Street . . . . .	1,100
Hancock Street . . . . .	880
Mt. Vernon Street . . . . .	2,650
Anderson Street . . . . .	680
Boylston Street . . . . .	3,655
East Newton Street . . . . .	290
James Street . . . . .	150
Lime Street . . . . .	340
South Russell Street . . . . .	600
Spruce Street . . . . .	260
Temple Street . . . . .	580
Walnut Street . . . . .	440

<b>NORTH DORCHESTER</b>	
Chamberlain Street . . . . .	460
Geneva Avenue . . . . .	3,050
Lingard Street . . . . .	550
Ronan Street . . . . .	350
Westville Street . . . . .	3,000
Ames Street . . . . .	1,000

<i>District</i>	<i>Length in Feet</i>
<b>SOUTH DORCHESTER</b>	
Milton Street . . . . .	3,240
Medway Street . . . . .	1,050
Leahaven Road . . . . .	400
Old Morton Street . . . . .	1,020
Westview Street Extension . . . . .	1,244
Dorchester Avenue . . . . .	4,920
Hooper Street . . . . .	570
Mora Street . . . . .	1,100
<b>WEST ROXBURY</b>	
Hazelmere Road . . . . .	380
Tobin Road . . . . .	300
Florian Way . . . . .	280
Perham Street . . . . .	200
Churchill Road . . . . .	620
<b>EAST BOSTON</b>	
Ashley Street . . . . .	700
Blackinton Street . . . . .	250
Byron Street . . . . .	900
Fr. Toma Street . . . . .	1,050
Walley Street . . . . .	310
Bennington Street . . . . .	8,100
<b>SOUTH BOSTON</b>	
Baxter Street . . . . .	980
Marine Road . . . . .	2,120
Pacific Street . . . . .	270

## SURVEYS FOR RECONSTRUCTION

<b>BOSTON PROPER</b>	
Charles Street . . . . .	300
Union Park Street . . . . .	1,713
West Cedar Street . . . . .	600
St. James Avenue . . . . .	580
Dartmouth Street . . . . .	1,650
Boylston Street . . . . .	580
Ridgeway Lane . . . . .	500
North Grove Street . . . . .	440
Fruit Street . . . . .	520
Exeter Street . . . . .	530
Batterymarch Street . . . . .	200
Kilby Street . . . . .	400
Milk Street . . . . .	575
North Hudson Street . . . . .	160
Pearl Street . . . . .	335
Public Alley No. 301 . . . . .	245
Revere Street . . . . .	1,480
River Street . . . . .	20
Mason Street . . . . .	620



<i>District</i>	<i>Length in Feet</i>
East Sixth Street . . . . .	2,720
Emerson Street . . . . .	600
Mercer Street . . . . .	750
Winfield Street . . . . .	250
Sumner Street . . . . .	500
Lark Street . . . . .	148
Loring Street . . . . .	334
Baxter Street . . . . .	200
Pacific Street . . . . .	200

## BRIGHTON

Ascot Street . . . . .	240
Benson Street . . . . .	240
Cresthill Road . . . . .	880
Cygnat Street . . . . .	250
Durland Street . . . . .	200
Gardena Street . . . . .	1,480
Litchfield Street . . . . .	1,720
Newton Street . . . . .	600
Radnor Road . . . . .	820
Saybrook Street . . . . .	1,370
Lincoln Street . . . . .	155
Williston Road . . . . .	100
Buick Street . . . . .	450
Colborne Path . . . . .	215
Glencoe Street . . . . .	1,290
Greymere Road . . . . .	320
Hardwick Street . . . . .	700
Kilsyth Road . . . . .	700
Lanark Road . . . . .	1,420
Portina Road . . . . .	620
Portsmouth Street . . . . .	915
Wiltshire Road . . . . .	1,200
Menlo Street . . . . .	450

## SOUTH DORCHESTER

Ronan Street . . . . .	379
Cedar Grove Street . . . . .	580
Centre Avenue . . . . .	450
Flavia Street . . . . .	480
Hannon Street . . . . .	550
Lonsdale Street . . . . .	1,560
Nelson Street . . . . .	1,000
Stockton Street . . . . .	1,250
Centre Street . . . . .	2,875
Tremlett Street . . . . .	1,300
Tilesboro Street . . . . .	450
Dunbar Avenue . . . . .	480
Mountain Avenue . . . . .	1,125



<i>District</i>	<i>Length in Feet</i>
Richview Street . . . . .	1,215
Westglow Street . . . . .	1,580
Woolson Street . . . . .	1,200
Selden Street . . . . .	1,100
Almont Street . . . . .	2,900
Wellington Hill Street . . . . .	2,940
Willowwood Street . . . . .	1,485
Nelson Street . . . . .	1,091
Cedar Grove Street . . . . .	610
Richview Street . . . . .	1,200
Dunbar Avenue . . . . .	497

### PROFILES AND SURVEY FOR LAYING OUT

#### BOSTON PROPER

New Congress Street . . . . .	1,100
Blossom Street . . . . .	400

#### HYDE PARK

Norton Street . . . . .	1,180
Raynes Road . . . . .	200
Prospect Circle . . . . .	200
Dedham Street . . . . .	1,300
Sanford Road . . . . .	700
Danny Road . . . . .	500
Braewood Street . . . . .	400
Fairmont Terrace . . . . .	400

#### BRIGHTON

Griggs Place . . . . .	500
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#### NORTH DORCHESTER

Beechwood Street . . . . .	500
Dewar Street . . . . .	600

#### WEST ROXBURY

Woodley Avenue . . . . .	300
DeRoma Road . . . . .	310
Gould Street . . . . .	467
Fawndale Road . . . . .	485
Beechmont Terrace . . . . .	648
David Road Extension . . . . .	30
Sammett Avenue . . . . .	591
Toppan Avenue . . . . .	200
Bradlee Court . . . . .	224
Bremen Terrace . . . . .	250
Crosstown Avenue . . . . .	1,500
Sherbrook Street . . . . .	400
Cowing Street . . . . .	1,000
Sunset Hill Road . . . . .	800

<i>District</i>	<i>Length in Feet</i>
<b>SOUTH DORCHESTER</b>	
Ames Street . . . . .	700
Stratton Street . . . . .	800
Westview Street . . . . .	600
Canaan Street . . . . .	460
Colorado Street . . . . .	350

## STONEBOUNDS

<i>District</i>	<i>Number Drilled</i>
<b>HYDE PARK</b>	
Hillis Road . . . . .	6
Myopia Street . . . . .	5
Lawton Terrace . . . . .	2
Lawton Street . . . . .	7
Ralston Road . . . . .	8
Ralwood Road . . . . .	6
Manor Street . . . . .	12
Red Pine Road . . . . .	6
Crane Street . . . . .	4
Imbaro Road . . . . .	2
Chesterfield Street . . . . .	12
Pleasant Street . . . . .	1
Manion Road . . . . .	2
Manning Street . . . . .	9
<b>SOUTH BOSTON</b>	
Trilling Way . . . . .	2
<b>WEST ROXBURY</b>	
Macullar Road . . . . .	6
Fawndale Road . . . . .	2
Belle Avenue . . . . .	4
Pleasant Valley Circle . . . . .	3
Boxford Terrace . . . . .	8
Slocum Road . . . . .	3
David Road . . . . .	5
<b>SOUTH DORCHESTER</b>	
Lorna Road . . . . .	2
Manchester Street . . . . .	3
Hallet-Davis Street . . . . .	2
Newkirk Street . . . . .	5
Manley Street . . . . .	8
Freeport Way . . . . .	5
Banfield Avenue . . . . .	2
Delhi Street . . . . .	21
Balina Place . . . . .	2
Irena Street . . . . .	1

<i>District</i>	<i>Number Drilled</i>
Colorado Street . . . . .	1
Violet Street . . . . .	6
Caryll Street . . . . .	8
<b>NORTH DORCHESTER</b>	
Enterprise Street . . . . .	8
<b>POINTS FOR CONSTRUCTION</b>	
<i>District</i>	<i>Length in Feet</i>
<b>BOSTON PROPER</b>	
Bowker Street . . . . .	300
Hawkins Street . . . . .	300
New Sudbury Street . . . . .	600
Cambridge Street . . . . .	2,000
New Congress Street . . . . .	1,100
Chardon Street . . . . .	500
<b>SOUTH BOSTON</b>	
Fargo Street . . . . .	500
<b>NORTH DORCHESTER</b>	
Stanwood Street . . . . .	400
<b>SOUTH DORCHESTER</b>	
Delhi Street . . . . .	2,000
Mattapan Street . . . . .	900
Sturbridge Street . . . . .	800
<b>WEST ROXBURY</b>	
Walworth Street . . . . .	800
DeRoma Street . . . . .	310
Beech Street . . . . .	4,000
Ridgecrest Drive . . . . .	300
Manning Street . . . . .	500
Carol Circle . . . . .	600
Forest Hills Street . . . . .	200
Lourdes Avenue . . . . .	1,000
<b>BRIGHTON</b>	
Harvard Terrace . . . . .	283
Hardwick Terrace . . . . .	200
Westbourne Terrace . . . . .	200
Wirt Street . . . . .	800
<b>HYDE PARK</b>	
Vallaro Road . . . . .	450
Sprague Street . . . . .	2,000
American Legion Highway and Canterbury Street . . . . .	300
Prospect Street . . . . .	500

## WIDENING AND RELOCATION

## BRIGHTON

North Harvard Avenue and Western Avenue

## HYDE PARK

Forest Hills Street at Glen Road

## SOUTH BOSTON

Fargo Street

## MARKING STREET LINE

<i>District</i>	<i>Length in Feet</i>
CHARLESTOWN	
Hurd Lane . . . . .	150
Harvard Square . . . . .	100
Warren Street . . . . .	700
Winthrop Street . . . . .	400
Main Street . . . . .	800
Henley Street . . . . .	200
Pleasant Street . . . . .	650
High Street . . . . .	300
Cordis Street . . . . .	500
Cordis Avenue . . . . .	170
Boyle Street . . . . .	170
Monument Square . . . . .	1,200
Monument Avenue . . . . .	760
Monument Street . . . . .	400
Soley Street . . . . .	650
Lexington Street . . . . .	400
Concord Street . . . . .	400
Tremont Street . . . . .	340
Prescott Street . . . . .	360
Washington Street . . . . .	100
Auburn Street . . . . .	350
Oak Street . . . . .	400
Mead Street . . . . .	450
Eden Street . . . . .	500
Middlesex Street . . . . .	250
Lyndeboro' Street . . . . .	400
Park Street . . . . .	305
Adams Street . . . . .	300
Mt. Vernon Street . . . . .	500
Chelsea Street . . . . .	400
Chestnut Street . . . . .	560
Joiner Street . . . . .	120

## STREET INSPECTIONS

*District*

## BOSTON PROPER

Fulton Place  
Parkman Street  
North Anderson Street  
Durham Street  
Public Alleys Nos. 403, 404, 405  
East Newton Street  
South Russell Street  
North Grove Street  
Fruit Street

## WEST ROXBURY

Park Lane  
Bourne Street  
Buchanan Road  
Atlantis Street  
Dent Street  
Willers Street  
Newfield Street  
Starbird Avenue  
Ridge Crest Road  
Delore Circle  
Rivermoor Street  
Denton Street  
Glenburne Road  
St. John Street  
Searle Road  
Potomac Street  
Wayburn Road  
Dale Street  
Crosstown Avenue  
Sidley Road  
Perham Street  
Berwick Road  
Vermont Street  
Richwood Street  
Birchwood Street  
Clare Avenue  
Furnival Road

## NORTH DORCHESTER

Columbia Road  
Rill Street  
Algonquin Street  
Tremlett Street  
Hooper Street



*District*

## BRIGHTON

Cleveland Circle  
Lake Shore Drive  
Lake Shore Terrace  
Lake Shore Court  
Eastburn Footway  
Griggs Place  
Williston Road  
Ridgemont Street  
Wiltshire Road  
Parsons Street  
Eleanor Street  
Easton Street  
Newcastle Road

## SOUTH BOSTON

West Ninth Street  
Mitchell Street  
Lark Street  
Frederick Street  
East Sixth Street  
Farragut Road  
East First Street  
Emerson Street  
Marine Road  
Mohawk Street

## SOUTH DORCHESTER

Mallet Street  
Frost Avenue  
Croftland Avenue  
Orlando Street  
Henrici Street  
Tennis Road  
Hutchinson Street  
Fairlawn Avenue  
West Medway Street  
Fairmount Street  
Bailey Street  
Weyanoke Street  
Everdean Street  
Claybourne Street  
Park Street  
Saranac Street  
Holborn Street  
Huron Circle  
Groveland Street

*District*

Duxbury Road  
Atherstone Street  
Mora Street  
Withington Street  
West Selden Street  
Butler Street  
Branchfield Street  
Gleason Street  
River Street  
Linden Street  
Lyon Street  
Hecla Street  
Tilesboro Street  
Avondale Street  
Mt. Cushing Terrace

## HYDE PARK

Walnut Street  
Tyler Street  
Metropolitan Avenue  
Canterbury Street  
Ramsdell Avenue  
Fairview Avenue  
Maynard Street  
Webster Street  
Lincoln Street  
Robert Lane  
Corcoran Lane  
Summit Circle  
Cleveland Street  
Pine Avenue  
Austin Street  
Arlington Street  
Chittick Road  
Dedham Street  
Clare Avenue

## EAST BOSTON

Westbrook Street  
Emmons Street

## ROXBURY

Keswick Street  
Pilgrim Road  
Newbern Street  
Aberdeen Street  
Howard Street  
George Street

## MISCELLANEOUS

Marked measured mile, East Boston, Bennington Street.

Marked measured mile, Hyde Park, Hyde Park Avenue.

During 1968, several notices were received by the city to appear in District Superior Courts pertaining to street line, city responsibility, etc. On all occasions, the services of a Registered Land Surveyor from the Survey Section were required.

## DISCONTINUANCE PLANS

*District*

## DORCHESTER

Iola Street

## SOUTH BOSTON

East Fourth Street

## BOSTON PROPER

Dalton Street

Scotia Street

Stuart Street

Clarendon Street

## ACCIDENT SURVEYS

## BOSTON PROPER

Hamilton Place

## WEST ROXBURY

Firth Road

TABLE 2

DEPARTMENT	Photostats	Ozalides	Sepias
Public Works:			
Engineering . . . . .	634	23,710	127
Central Office . . . . .	32	841	
Highway Division . . . . .	—	963	
Permit Division . . . . .	24	431	
Sanitary Division . . . . .	28	347	
Sewer Division . . . . .	266	1,165	
Street Lighting . . . . .	14	428	
Water Division . . . . .	82	2,943	
Real Property . . . . .	126	2,139	
White Fund . . . . .	38	114	
Traffic and Parking . . . . .	94	2,747	
Administrative Services . . . . .	—	226	
Assessing Department . . . . .	68	2,361	
Building Department . . . . .	84	1,147	
City Clerk . . . . .	26	74	
City Council . . . . .	178	486	
Election . . . . .	46	—	
Law Department . . . . .	38	47	
Mayor's Office . . . . .	14	640	
Park Department . . . . .	—	148	
Penal Department . . . . .	24	136	
Public Buildings . . . . .	—	84	
Totals . . . . .	1,816	41,177	127

TABLE 3  
CONTRACTS ADVERTISED

Contract	Reconstruction of:	District	Length (Feet)	*Estimated Cost	Date of Bid Opening
	Boylston Street	1	550	**Bid Price \$42,701	†6/6/68
	Dartmouth Street	1	391	53,781	
	St. James Street	1	575	37,593	
	Huntington Avenue	1	300	16,064	
				<u>**\$199,964</u>	
	Battery March Street	1	150	\$3,011	6/20/68
	Kilby Street	1	216	8,947	
	Mason Street	1	706	13,230	
	Milk Street	1	407	7,928	
	North Hudson Street	1	184	4,600	
	Pearl Street	1	384	5,655	
	Private Alley No. 301	1	270	1,478	
	Revere Street	1	1,342	38,814	
	River Street	1	783	15,407	
				<u>*\$99,000</u> <u>**\$151,481</u>	
	Dartmouth Street	1	750	\$70,000	6/20/68
				<u>*\$70,000</u> <u>**\$84,105</u>	

†(Contract canceled.) New bids reopened 7/11/68



Contract	District	Length (Feet)	*Estimated Cost **Bid Price	Date of Bid Opening 7/11/68
Collins Street .	8	728	\$24,453	
Arlington Street .	8	1,710	46,075	
Caton Street .	8	587	12,376	
Doncaster Street .	8	715	14,504	
George Street .	8	690	21,171	
Pierce Street .	8	2,100	46,352	
Thompson Street .	8	1,160	36,622	
			<hr/>	
			**\$212,600	
			**\$218,428	
Aberdeen Street .	10	383	\$14,751	7/11/68
Carmel Street .	10	251	4,160	
Cumington Street .	10	1,430	32,591	
Lansdowne Street .	10	1,100	24,176	
University Road .	10	320	9,076	
			<hr/>	
			*\$85,000	
			**\$87,836	
Falcon Street .	9	2,646	\$43,079	8/6/68
Faywood Street .	9	735	8,644	
Gove Street .	9	1,047	22,167	
Jeffries Street .	9	688	23,392	
Leyden Street .	9	3,322	70,645	
New Street .	9	371	14,680	
Porter Street .	9	1,430	21,485	
Saratoga Street .	9	617	13,929	
			<hr/>	
			*\$299,000	
			**\$253,970	

Contract Construction (Chapter 393) of:	District	Length (Feet)	*Estimated Cost **Bid Price	Date of Bid Opening 8/8/68
Carol Circle . . . . .	6	450	\$18,012	
DeRoma Road . . . . .	6	340	11,321	
Fargo Street . . . . .	5	500	8,557	
Hardwick Terrace . . . . .	4	111	6,598	
Manning Street . . . . .	2	213	8,534	
Matlapan Street . . . . .	7	390	16,501	
Prospect Circle . . . . .	8	182	9,150	
Wirt Street . . . . .	4	472	40,001	
			<hr/> * \$120,000 ** \$159,899	
Reconstruction of:				
East Second Street . . . . .	5	2,601	* \$163,000	† 8/15/68
East Fifth Street . . . . .	5	3,261		
Linden Street . . . . .	5	335		
Old Harbor Street . . . . .	5	1,425		
Sidewalk Reconstruction of:				
Brimmer Street . . . . .	1	1,100	* \$109,000	\$6/20/68 and 8/22/68
Hancock Street . . . . .	1	882		
Mt. Vernon Street . . . . .	1	2,650		
Highway and Sidewalk Reconstruction of:				
Ascot Street . . . . .	4	238	\$5,986	8/28/68
Benson Street . . . . .	4	247	6,650	
Cresthill Road . . . . .	4	1,047	20,114	
Cygnat Street . . . . .	4	257	7,501	
Durland Street . . . . .	4	200	5,866	
Gardena Street . . . . .	4	1,322	30,225	
Lincoln Street . . . . .	4	175	5,465	
Litchfield Street . . . . .	4	1,724	28,082	
Newton Street . . . . .	4	600	13,843	
Radnor Street . . . . .	4	843	17,312	
Saybrook Street . . . . .	4	1,336	24,650	
Williston Road . . . . .	4	133	3,097	
			<hr/> * \$170,000 ** \$165,689	

†Contract not awarded because of major design change decided upon after advertising.

§Advised twice, not awarded because satisfactory execution of bid could not be assured.

Contract	District	Length (Feet)	*Estimated Cost **Bid Price	Date of Bid Opening
Reconstruction of:				
Blossom Street . . . . .	1	1,660	*\$99,600 **\$93,758	9/19/68
Sidewalk Reconstruction of:				
Charles Street . . . . .	1		\$12,555	†11/68
Highway Reconstruction (Government Center, Urban Renewal) of:				
Cambridge Street . . . . .	1	1,500	*\$300,000	6/6/68
Court Street . . . . .	1	240	**\$245,976	
Highway Construction (Government Center, Urban Renewal) of:				
New Congress Street . . . . .	1	1,060	*\$150,000 **\$121,850	6/20/68
Highway Construction and Reconstruction (Government Center, Urban Renewal) of:				
New Chardon Street . . . . .	1	950	*\$185,000	7/1/68
New Hawkins Street . . . . .	1	525	**\$157,803	
New Bowker Street . . . . .	1	300		
Highway Reconstruction (Washington Park, Urban Renewal) of:				
Marksdale Street . . . . .	10		*\$309,935	3/14/68
Brookledge Street . . . . .	10		**\$303,276	
Harrishof Street . . . . .	10			
Mills Street . . . . .	10			
Montana Street . . . . .	10			
Pleasanton Street . . . . .	10			
Rockland Street . . . . .	10			
Wabeno Street . . . . .	10			
Wyoming Street . . . . .	10			
Humboldt Street . . . . .	10			

†Awarded without advertising, with permission of Mayor.

## SEWER AND WATER

Street	District	Work	*Estimated Cost **Bid Price	Date of Bid Opening
Lathrop Place . . . . .	1	423 feet of sewer, 3 sewer manholes, 465 feet of water	*\$18,000	4/4/68
Private Land . . . . .	9		**\$17,140	
Sherbrook Street . . . . .	6			
Starbird Avenue . . . . .	6			
B Street . . . . .	5	998 feet of sewer, 7 sewer manholes,		
West Seventh Street . . . . .	5	628 feet of surface drain, 2 manholes,		
		670 feet of water, 3 gates	*\$78,000	5/9/68
			**\$74,944	
Danny Road . . . . .	8	1,332 feet of sewer, 7 manholes,		
Fieldmont Street . . . . .	5	1,323 feet of surface drain, 4 manholes,		
Sanford Street . . . . .	8	2,050 feet of water, 8 gates, 5 catch basins, 5 hydrants	*\$81,500	5/9/68
Sammett Street . . . . .	8		**\$73,317	
Toppa Street . . . . .	2			
Clearway Street . . . . .	1	110 feet of sewer, 2 manholes,		
		130 feet of surface drain, 2 manholes,		
		130 feet of water, 1 gate	*\$22,000	7/11/68
			**\$17,896	
Crown Point Drive . . . . .	8	4,263 feet of sewer, 26 manholes,		
Georgetown Drive . . . . .	2	3,247 feet of surface drain, 15 manholes,		
Margaretta Drive . . . . .	8	5,425 feet of water, 29 gates, 25 catch basins, 14 hydrants	*\$371,800	9/5/68
			**\$296,525	

## WASHINGTON PARK, URBAN RENEWAL

Street	District	Work	*Estimated Cost **Bid Price	Date of Bid Opening
Akron Street .	10	4,464 feet of sewer, 27 manholes,		3/14/68
Alpine Street .	10	5,655 feet of surface drain, 16 manholes,		
Circuit Street .	10	4,945 feet of water, 16 gates, 2 hydrants, 3 catch basins	\$319,224	
Fountain Street .	10		**\$257,068	
Regent Street .	10			
St. James Street	10			
Hewes Street .	10	2,817 feet of sewer, 14 manholes,		5/16/68
Leslie Street .	10	3,555 feet of surface drain, 10 manholes,		
Private Land .	10	3,305 feet of water, 13 gates, 3 hydrants, 2 catch basins	\$238,502	
Rockland Street	10		**\$220,069	
Wakullah Street	10			
Dale Street .	10			
Elmore Street .	10			
Halworthy Street	10			
Mayfair Street .	10			
Widett Circle .	5	3,592 feet of sewer, 16 manholes, 4,596 feet of surface	\$631,671	11/14/68
Foodmart Road	5	drain, 18 manholes, 5,271 feet of water, 37 gates,	**\$792,221	
		29 catch basins, 15 hydrants		
Albany Street .	5	1,199 feet of sewer, 5 manholes, 1,368 feet of water, 2 gates,	\$237,030	11/14/68
Private Land .	1		**\$281,651	
SEWER				
Quincy Street .		1,989 feet of sewer, 5 manholes, 2,425 feet of surface drain,	\$122,000	8/15/68
		7 manholes	**\$114,536	



Contract	District	Work	*Estimated Cost **Bid Price	Date of Bid Opening 10/31/68
Alabama Street	7	1,512 feet of sewer, 4 manholes, 2 catch basins	**\$76,500	
Beaver Street	8	2 manholes, 2 catch basins	**\$60,285	
Canaan Street	7			
Colorado Street	7			
Montebello Road	2			
Neponset Avenue	2			
Norton Street	8			
Scarboro Brook	2			
Summer Street	5			
Private Land (Windham Road)	8	280 feet of surface drain, 6 manholes, 3 catch basins	*\$12,300 **\$10,320	12/5/68
WATER				
Emergency Excavation for Repairs	Area I		*\$65,000 **\$78,010	3/28/68
Emergency Excavation for Repairs	Area II		*\$15,000 **\$13,826	3/28/68
Emergency Excavation for Repairs	Area III		*\$75,000 **\$118,800	3/28/68
Faraday Street	8	2,110 feet of water, 2 gates, 1 hydrant	*\$45,000	4/18/68
Garfield Avenue	8		\$***33,595	
Glenwood Avenue	8			
Soldiers Field Road	4	1,500 feet of water, 5 gates	*\$42,000 **\$31,660	4/25/68

Street	District	Work	*Estimated Cost **Bid Price	Date of Bid Opening
Monks Street . . . . .	5	2,090 feet of water, 8 gates, 4 hydrants	**\$49,000	5/9/68
Peters Street . . . . .	5		**\$38,571	
West Eighth Street . . . . .	5			
West Fourth Street . . . . .	5	2,890 feet of water, 10 gates, 5 hydrants	**\$73,500	5/28/68
West Second Street . . . . .	5		**\$62,990	
Atlantic Street . . . . .	5	1,921 feet of water, 13 gates, 2 hydrants	**\$49,000	5/28/68
East Fourth Street . . . . .	5		**\$44,727	
National Street . . . . .	5			
Pacific Street . . . . .	5			
Thomas Park . . . . .	5			
Kneeland Street . . . . .	1	Water relay		†8/8/68 †10/10/68
Hydrants . . . . .		Replacing hydrants (49)	**\$23,000 **\$22,050	8/29/68
Grove Street . . . . .	1	1,575 feet of water, 6 gates, 1 hydrant	**\$39,000	1/9/68
Revere Street . . . . .	1		**\$NA	
Private Land . . . . .	2			
Liberty Place . . . . .	1			
OTHER CONTRACTS				
Miscellaneous: Lighted Barriers . . . . .			**\$7,500 **No Bidders	4/4/68
Waldren Road . . . . .		Installation of electrical conduits	**\$40,000	9/5/68
Walnut Park . . . . .			**\$45,560	
Wardman Road . . . . .				
Westminster Avenue . . . . .				

†Contract advertised twice — cancelled because satisfactory execution of bid could not be assured.

Contract	Highway Construction and Reconstruction (Washington Park, Urban Renewal) of:					Length (Feet)	Work	*Estimated Cost **Bid Price	Date of Bid Opening
Dabney Street .	.	.	.	.	.	670	675 feet of water, 1 gate, 1 hydrant. Highway construction work.	*\$303,000 **\$273,382	12/19/68
Dale Street .	.	.	.	.	.	700			
Hansford Street .	.	.	.	.	.	160			
Catawba Street .	.	.	.	.	.	500			
Sherman Street .	.	.	.	.	.	430			
Dale Street .	.	.	.	.	.	345			
Laurel Street .	.	.	.	.	.	345			
Rockland Street .	.	.	.	.	.	580			
Fenno Street .	.	.	.	.	.	196			
Kensington Street .	.	.	.	.	.	230			
St. Richard Street .	.	.	.	.	.	350			
Circuit Street .	.	.	.	.	.	330			
Rockland Street .	.	.	.	.	.	50			
Walnut Avenue .	.	.	.	.	.	1,300			
Warren Street .	.	.	.	.	.	3,407			

## APPENDIX C

## HIGHWAY DIVISION

TABLE 1—Cost Summaries of Contracts

TABLE 2—Chapter “90” and “393” Street Construction

TABLE 3—Streets Reconstructed

TABLE 4—Patching Contracts

TABLE 5—Bridge Maintenance Work

TABLE 6—Details of Expenditures on Tidewater Bridges

TABLE 7—Waterbourne Traffic

TABLE 8—Expenditures on Inland Bridges

TABLE 9—Work Done by Contract

TABLE 10—Work Done by City Forces

TABLE 11—Patching Quantities

TABLE 12—Street Cleaning Contracts

TABLE 13—Installation of Electrical Conduits, Etc.

TABLE 14—Asphalt Resurfacing of Roadways by Contract

TABLE 15—Mercury Vapor Lighting Projects

TABLE 1

## SUMMARY OF COST OF CONTRACT STREET CONSTRUCTION AND RECONSTRUCTION WORK PERFORMED IN HIGHWAY DIVISION DURING 1968

Chapter 90 Projects . . . . .	\$943,989 85
Chapter 90 Projects Awarded in 1968, To Be Completed in 1969 . . . .	155,827 00
"393" Streets Constructed . . . . .	102,653 50
Streets Reconstructed . . . . .	3,070,340 12
Awarded in 1968, To Be Completed in 1969 . . . . .	1,760,662 98
	<hr/>
	\$6,033,473 45

TABLE 2

## STREET CONSTRUCTION

## CHAPTER 90 PROJECTS

STREET	LIMITS	CONTRACT AMOUNT
Sprague Street	Boston-Dedham Line to Bridge over New York, New Haven & Hartford Railroad . . . . .	\$103,325 00
Ashmont Street	Washington Street to Dorchester Avenue . . . .	
Centre Street	Adams Street to Dorchester Avenue . . . . .	145,753 05
Lake Street	Commonwealth Avenue to Washington Street . . . .	139,148 00
Pond Street	Avon Street to Jamaica Way . . . . .	98,858 75
Beech Street	Washington Street to West Roxbury Parkway . . . .	165,419 50
East Cottage Street	Dudley Street to Columbia Road . . . . .	
West Cottage Street	Blue Hill Avenue to Dudley Street . . . . .	159,333 05
Walworth Street	Beech and Washington Streets to Belgrade Avenue . . . .	132,152 50
		<hr/>
		\$943,989 85

## CHAPTER 90 PROJECT AWARDED IN 1968, TO BE COMPLETED IN 1969

Harvard Street	Walk Hill Street to Cummins Highway . . . .	\$155,827 00
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## "393" STREETS CONSTRUCTED IN 1968

Delhi Street	Crossman Street to 1,700 feet northeasterly . . . .	
Elm Lawn	Centre Street to 250 feet northwesterly . . . .	
Stone Terrace	Gallivan Boulevard to Cemetery . . . . .	
Westbourne Terrace	Corey Road to Brookline Line . . . . .	\$102,653 50



TABLE 3

## STREETS RECONSTRUCTED IN 1963

STREET	LIMITS	CONTRACT AMOUNT
East Eighth Street	Dorchester Street to Columbia Road	
K Street	East Fourth Street to Broadway	
Rev. Burke Street	Dorchester Street to Mercer Street	
Rogers Street	Dorchester Street to General Devine Way	
Woodward Street	Dorchester Avenue to Dorchester Street . . .	\$159,452 85
Church Street	River Street to Hillis Road	
Collins Street	Bradlee Street 310 feet easterly	
Cromwell Street	Huntington Avenue to 270 feet westerly	
Parkson Street	Hyde Park Avenue to Clifford Street	
Pinefield Lane	Pinefield Road to West Milton Street	
Pinefield Road	Pine Avenue to 430 feet westerly	
Ralston Road	Greenfield Road to Ralwood Road	
Sefton Street	Greenfield Road to Mariposa Street	
Thorn Street	River Street to 263 feet northeasterly	
Vallaro Road	River Street to Danny Road . . . . .	167,535 10
Coolidge Road	North Harvard Street to Mansfield Street	
Duval Street	South Waverly Street to Antwerp Street	
Leamington Road	Wallingford Road to Commonwealth Avenue	
Lyne Road	Union Street to dead end	
Madeline Street	Harriet Street to Faneuil Street	
North Crescent Circle	Breck Avenue to end	
Parkland Street	Winship Road to Academy Hill Road	
Snow Street	Union Street to Washington Street	
South Waverly Street	Lincoln Street to Waverly Street	
Waverly Street	Portsmouth Street to Western Avenue . . .	144,156 60
American Legion Highway	Cummins Highway to Hyde Park Avenue . . .	266,887 50
Centre Street	Boylston Street to Hyde Square	
Dorchester Square	Parkland, between Church, Winter and Adams Streets	
Fayston Street	Blue Hill Avenue to Mascoma Street	
Fottler Road	Walk Hill Street to Hazleton Street	
Fox Street	Adams Street to Mt. Ida Road	
Hill Top Street	Granite Avenue to Hallet Street	
Homes Avenue	Bowdoin Street to Toplift Street	
Josephine Street	Ditson Street to Geneva Avenue	
Owen Street	Morton Street to Tiverton Street	
Percival Street	Bowdoin Street to Fox Street	
Richmond Street	Hanover Street to Callahan Tunnel	
Robinson Street	Adams Street to Draper Street	
Rugdale Road	Washington Street to Valley Road	
Snow Hill Street	Prince Street to Charter Street	
Winter Street	Bowdoin Street to Adams Street . . . . .	173,886 75
Alicia Road	Gallivan Boulevard to beyond Croftland Avenue	
Auriga Street	Westglow Street to end	
Bailey Street	Washington Street to Dorchester Avenue	
Belton Street	Gallivan Boulevard to Milton Street	
Clementine Park	Centre Street to Dayton Street	
Crockett Avenue	Gallivan Boulevard to Milton Street	
Dayton Street	Nixon Street to MBTA	
Hansborough Street	Blue Hill Avenue to Harvard Street	

## PUBLIC WORKS DEPARTMENT

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STREET	LIMITS	CONTRACT AMOUNT
Hosmer Street	Blue Hill Avenue to Norfolk Street	
Houghton Street	Victory Road to Pope's Hill Street	
Leston Street	Morton Street to Woolson Street	
St. Gregory Street	Dorchester Avenue to Washington Street	
Sturbridge Street	River Street to Sanford Street	
Westmore Road	Deering Street to Hazleton Street . . . .	\$252,262 45
Beaufort Road	Centre Street to Lakeville Road	
Belmore Terrace	Boylston Street to Oakview Terrace	
Gartland Street	Washington Street to Dungarven Road	
Lourdes Avenue	Forest Hills Street to Forest Hills Street	
Plainfield Street	Rossmore Road to Brookley Road	
Priesing Street	Chestnut Avenue to Mozart Street . . . .	79,950 00
Arcadia Street	Adams Street to Draper Street	
Auckland Street	Bay Street to Dewar Street	
Belden Street	Dudley Street to Holden Street	
Bodwell Street	Columbia Road to Bird Street	
Ellsworth Street	Dorchester Avenue to Freeport Street	
Elm Hill Park	Warren Street easterly to dead end	
Fernald Terrace	Quincy Street to dead end	
Gene Street	Humphrey Street to Belden Street	
Glendale Street	Hancock Street to Bird Street	
Melville Lane	Melville Avenue to dead end	
Payson Avenue	Hancock Street to Glendale Street	
Supple Road	Columbia Road to Normandy Street	
Tonawanda Street	Geneva Avenue to Claybourne Street . . . .	183,939 75
Harrison Avenue	East Berkeley Street to Herald Street	
Herald Street	Washington Street to Albany Street	
Mullins Way	Washington Street to Harrison Avenue	
Traveler Street	Washington Street to Albany Street . . . .	139,293 50
Brookledge Street	Elm Hill to Humboldt Avenue	
Deckard Street	Warren Street to Humboldt Avenue	
Harrishof Street	Walnut Avenue to Humboldt Avenue	
Humboldt Avenue	Seaver Street to Waumbeck Street	
Marksdale Street	Harrishof Street to Townsend Street	
Mills Street	Dale Street to Rockland Street	
Montana Street	Cheney Street to Georgia Street	
Pleasanton Street	Homestead Street to Ruthven Street	
Rockland Avenue	Dale Street to Rockland Street	
Wabeno Street	Waumbeck Street to Wyoming Street	
Wabon Street	Warren Street to Wabeno Street	
Wyoming Street	Warren Street to Wabeno Street . . . .	378,148 37
Dartmouth Street	Boylston Street to across Commonwealth Avenue .	84,104 35
Arborough Road	Conway Street to Arnold Arboretum	
Ardmore Road	Sidley Road to Theodore Parker Road	
Bangor Road	Bonad Road to Russett Road	
Bronx Road	Centre Street to Birchland Avenue	
Dent Street	Pender Street to beyond Thurlow Street	
Fresno Street	Durnell Avenue to Alder Street	
Havana Street	Beech Street to end	
Hilburn Street	Metropolitan Avenue to Poplar Street	
Larkhill Road	La Grange Street to Bellevue Street	
Liszt Street	Washington Street to West Roxbury Parkway	
Mendelssohn Street	Nikisch Avenue to Washington Street	

STREET	LIMITS	CONTRACT AMOUNT
Newfield Street	Addington Road to Veterans of Foreign Wars Parkway	
Parklawn Road	Weld Street across Courtney Road	
Charles Street	Beacon Street to Chestnut Street . . . .	\$12,555 60
		\$3,070,340 12

## AWARDED IN 1968, TO BE COMPLETED IN 1969

Batterymarch Street	Water Street to Milk Street	
Kilby Street	State Street to Water Street	
Mason Street	West Street to Avery Street and westerly to Tremont Street	
Milk Street	Pearl Street to Batterymarch Street	
North Hudson Street	Hull Street to Snow Hill Street	
Pearl Street	Franklin Street to Milk Street	
Public Alley No. 301	River Street to Pinckney Street	
Revere Street	Irving Street to Embankment Road	
River Street	Beacon Street to Public Alley No. 301 . . . .	\$151,480 70
Arlington Street	Hyde Park Avenue to River Street	
Caton Street	River Street to Hollingsworth Street	
Collins Street	Hyde Park Avenue to Bradlee Street	
Doncaster Street	Dale Street to Metropolitan Avenue	
George Street	River Street to Danbury Street	
Pierce Street	Fairmount Avenue to Riverside Square	
Thompson Street	Reservation Road to 685 feet southwesterly beyond Franklin Street . . . . .	218,428 00
Circuit Street	Walnut Avenue approximately 330 feet westerly	
Fenno Street	Walnut Avenue approximately 196 feet easterly	
Kensington Park	Rockland Street approximately 230 feet northerly and 200 feet southerly	
Rockland Street	Kensington Park approximately 50 feet westerly	
Pierpont Road	Manthorne Road to Greation Road	
St. Theresa Avenue	Churchill Road to across Howitt Road	
Savin Hill Avenue	Bridge over railroad to approximately 570 feet northerly	
Stratford Street	Clement Avenue to railroad	
Sturges Road	La Grange Street to end	
Wren Street	Woodard Road to Rutledge Street . . . .	214,746 50
Cambridge Street	Staniford Street to Court Street	
Court Street	Cambridge Street to Franklin Avenue . . . .	245,969 30
New Congress Street	New Sudbury Street to Dock Square . . . .	121,850 60
Aberdeen Street	Beacon Street to railroad	
Carmel Street	Tremont Street to Delle Avenue	
Cumington Street	Commonwealth Avenue to Blandford Street	
Lansdowne Street	Brookline Avenue to Ipswich Street	
University Road	Commonwealth Avenue to Soldiers Field Road .	87,835 55
Boylston Street	Dartmouth Street to Clarendon Street	
Clarendon Street	Boylston Street to St. James Avenue	
Dartmouth Street	St. James Avenue to Boylston Street	
St. James Avenue	Clarendon Street to Dartmouth Street	
Huntington Avenue	Exeter Street Intersection . . . . .	199,963 35
New Chardon Street	Cambridge Street to Merrimac Street	
New Hawkins Street	At Government Center	
New Bowker Street	At Government Center . . . . .	157,802 60

## PUBLIC WORKS DEPARTMENT

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STREET	LIMITS	CONTRACT AMOUNT
St. Richard Street	Walnut Avenue approximately 350 feet easterly	
Walnut Avenue	Rockland Street to Warren Street	
Warren Street	Deckard Street to Walnut Avenue . . . .	\$717,440 00
Falcon Street	Glendon Street to Border Street	
Faywood Avenue	Crestway Road to Vallar Road	
Gove Street	Frankfort Street to beyond Geneva Street	
Jeffries Street	Maverick Street to Marginal Street	
Leyden Street	Boardman Street to Bennington Street	
Porter Street	Chelsea Street to Geneva Street	
New Street	Sumner Street to Maverick Street	
Saratoga Street	Shelby Street to Prescott Street . . . .	253,969 73
Carol Circle	Washington Street to approximately 450 feet south- westerly	
DeRoma Road	Brier Road to approximately 310 feet southwesterly	
Fargo Street	B Street to C Street	
Hardwick Terrace	Hardwick Street approximately 100 feet northeasterly	
Manning Street	Mt. Calvary Road to public portion	
Mattapan Street	Colorado Street to Almont Street	
Prospect Circle	Prospect Street approximately 200 feet southerly	
Wirt Street	Washington Street to Henshaw Street (80-foot widen- ing and relocation) . . . .	159,898 70
Blossom Street	Cambridge Street to Charles Street . . . .	93,757 15
Ascot Street	Litchfield Street to Antwerp Street	
Benson Street	Litchfield Street to Antwerp Street	
Cresthill Road	Parsons Street to Parsons Street	
Cygnat Street	Litchfield Street to Antwerp Street	
Durland Street	Hardwick Street to end	
Gardena Street	Market Street to Dustin Street	
Lincoln Street	Widening at Mayflower Street	
Litchfield Street	Lincoln Street to Western Avenue	
Newton Street	Brooks Street to approximately 600 feet northwesterly	
Radnor Road	Foster Street to Kirkwood Road	
Saybrook Street	Market Street to Dustin Street	
Williston Road	Corey Road to Brookline Line . . . .	165,688 70
		<hr/> \$1,760,662 98



**TABLE 4**  
**PATCHING CONTRACTS AWARDED IN 1968**

CONTRACT	CONTRACTOR	AMOUNT
Repairs to defective sidewalks	John J. Botti Company, Inc. . . . .	\$211,575 00
Repairs to roadways	Hot Top Pavements, Inc. . . . .	196,990 00
Asphalt resurfacing of roadways in Area 1	Trimount Bituminous Products . . . .	149,250 00
Asphalt resurfacing of roadways in Area 2	Hot Top Pavements, Inc. . . . .	188,800 00
Asphalt resurfacing of roadways in Area 3	Essex Bituminous Concrete Corporation .	128,350 00
Total . . . . .		<u>\$874,965 00</u>

**TABLE 5**  
**BRIDGE MAINTENANCE WORK PERFORMED**  
**IN 1968**

Alford Street Drawbridge—Repairs to traffic gates, sump pump, navigation lights and machinery.

Babson Street Bridge—Repairs to wooden plank on sidewalk and roadway.

Bennington Street Bridge—Repairs to chain link fence.

Braddock Park Footbridge—Painted steel, repaired chain link fence and wooden deck.

Butler Street Footbridge—Removed loose concrete and repaired pipe handrails.

Camden Street Footbridge—Painted steel and repaired wooden steps and deck.

Central Avenue Bridge—Repaired wooden sidewalk, roadway and handrail.

Charlestown Bridge—Repaired wooden headers.

Chelsea Street Drawbridge—Repaired traffic gates, navigation lights, conduits and cables to electric motors, adjustments to the machinery.

Congress Street Drawbridge—Repairs to wooden pier and pipe handrails repaired and painted.

Everett Street Bridge (East Boston)—Repairs to wooden deck, sidewalk and chain link fence.



Fairmount Avenue Bridge over New Haven Railroad—Repaired wooden sidewalk and chain link fence.

Glenwood East Footbridge over Neponset River—Renewed wooden deck.

Jones Avenue Footbridge—Repaired wooden steps and deck and chain link fence.

Maverick Street Bridge—Bituminous concrete roadway.

McArdle Drawbridge—Service emergency brakes, repair traffic gates, traffic lights.

Norfolk Street Bridge (Dorchester)—Repair wooden sidewalk and roadway.

Northern Avenue Drawbridge—Repair wooden deck, traffic gates and navigation lights, machinery repairs, clean and paint inside of air tanks and air compressors.

Sprague Street Bridge—Repair wooden sidewalk and roadway.

Summer Street Bridge over A Street—Paint hand rails.

Summer Street Bridge over B Street—Repair and paint handrails.

Summer Street Bridge over Reserved Channel—Machinery maintenance, replace railroad ties and tracks, renew wooden sidewalk, weld steel grid deck, renew wooden platform and drawhouse, repair chain link fence and remove and replace winch assembly.

Summer Street Bridge over New Haven Railroad—Repair wooden barriers and flashing lights.

Tollgate Way Footbridge—Repairs to wooden steps and deck and repairs to chain link fence.

Warren Avenue Bridge (Charlestown)—Replace wooden barriers.

West Fourth Street Bridge (Dover Street)—Drill concrete for street light posts, repair chain link fence and remove barriers.

West Newton Street Bridge—Repair pipe handrail.

West Rutland Street Bridge (Foot)—Repair wooden steps and paint handrail.

TABLE 6

**DETAILS OF EXPENDITURES ON TIDEWATER  
BRIDGES FOR THE YEAR 1968**

BRIDGES	Draw- tenders' Salaries	Mechanics' Wages	Material	Repair Bills	Supplies, Utilities, Etc.	Total
Andrew P. McArdle . . .	\$102,206 85	\$3,514 65	\$70 70	\$450 00	\$1,053 30	\$107,295 50
Alford Street . . . . .	41,590 72	4,333 65	55 56	—	2,027 68	48,007 61
Summer Street (L Street) . . . . .	33,120 65	12,792 85	2,854 83	—	755 45	49,523 78
Chelsea Street . . . . .	76,621 45	2,024 05	13 60	—	611 65	79,270 75
Northern Avenue . . . .	186,802 96	17,143 50	1,246 20	—	1,663 08	206,855 74
Summer Street (F.P.C.)	—	2,131 60	133 00	—	276 57	2,541 17
Congress Street . . . . .	—	1,785 10	153 60	—	156 68	2,095 38
Totals . . . . .	\$440,342 63	\$43,725 40	\$4,527 49	\$450 00	\$6,544 41	\$495,589 93

TABLE 7  
WATERBORNE TRAFFIC THROUGH THE DRAWBRIDGES FOR THE YEAR 1968

Bridges	Steamers	Tugs	Barges	Pleasure Craft	All Others	Total Vessels	Total Cargoes	Total Openings
Andrew P. McArdle.....	517	4,846	1,253	15	179	6,810	670	3,093
Alford Street.....	—	438	81	446	221	1,186	106	870
Summer Street (L Street).....	—	30	20	246	484	776	126	696
Chelsea Street.....	544	4,573	1,157	—	121	6,395	875	2,714
Northern Avenue.....	—	273	255	14	435	977	575	816
Totals.....	1,061	10,160	2,766	721	1,440	16,144	2,352	8,189

**TABLE 8**  
**EXPENDITURES ON INLAND BRIDGES**  
**DURING 1968**

LABOR	MATERIALS	TOTAL
\$43,682 60	\$5,350 54	\$49,033 14

The above figures represent total cost of maintenance repairs on inland bridges, using our department yard employees, materials, and supplies.

**TABLE 9**  
**WORK DONE BY CONTRACT IN 1968**

ITEM	QUANTITY
Trees removed 4 inches to 12 inches	130 each
Trees removed 12 inches to 24 inches	49 each
Trees removed over 24 inches . . .	48 each
Stumps removed . . . . .	278 each
Earth excavation . . . . .	66,049 cubic yards
Service excavation . . . . .	2,390.5 cubic yards
Rock and wall excavation . . . . .	2,308 cubic yards
Trench rock excavation . . . . .	141 cubic yards
Base removed . . . . .	17,700 square yards
Pavement removed . . . . .	40,387 square yards
Bank gravel . . . . .	81,218 tons
Crushed stone for edgestone . . . . .	4,311 tons
New straight edgestone . . . . .	41,402 lineal feet
New circular edgestone . . . . .	7,124 lineal feet
New 2-foot corners . . . . .	1,020 each
Edgestone reset . . . . .	91,035 lineal feet
Edgestone removed and reset . . . . .	2,554 lineal feet
Edgestone hauled . . . . .	950 lineal feet
New 6-foot corners . . . . .	1,731 lineal feet
Guttermouths . . . . .	132 each
Granite block hip gutter . . . . .	27 lineal feet
Concrete base . . . . .	2,776.5 cubic yards
Concrete backing up sidewalk . . . . .	83.5 cubic yards
Artificial stone sidewalks . . . . .	958,864 square feet
Artificial stone driveways . . . . .	139,764 square feet
Loam . . . . .	1,010 cubic yards
Bituminous concrete base roadway . . . . .	27,884 tons
Bituminous concrete top roadway . . . . .	18,767 tons
Bituminous concrete base sidewalk . . . . .	536 tons
Bituminous concrete top sidewalk . . . . .	1,978 tons

ITEM	QUANTITY
3-inch conduit traffic . . . . .	1,489 lineal feet
Traffic bases . . . . .	34 each
Traffic base remodeled . . . . .	11 each
Brick sidewalks relaid . . . . .	222 square yards
New brick sidewalks . . . . .	726 square yards
Traffic signal mast arm pole base . . . . .	5 each
Subbase shallow . . . . .	20 each
Tree pits . . . . .	2 each
Chain link fence reset . . . . .	491 lineal feet
Bituminous concrete for berm . . . . .	142 tons
Structures abandoned . . . . .	2 each
Manholes and frames installed . . . . .	6 each
4-inch paving markings . . . . .	2,576 lineal feet
6-inch paving markings . . . . .	325 lineal feet
12-inch painted paving markings . . . . .	1,100 lineal feet
4-inch plastic paving markings . . . . .	154 lineal feet
12-inch plastic paving marking . . . . .	32 lineal feet
MBTA subway vent alteration . . . . .	1 lump sum
Manholes built . . . . .	5 each
Light pole bases removed . . . . .	17 each
Roadway area . . . . .	291,718 square yards
Macadam base . . . . .	21,620 tons
OA asphalt . . . . .	199,914 gallons
Covers reset . . . . .	2,227 each
Catch basin remodeled . . . . .	111 each
Catch basin converted . . . . .	88 each
Parking meter reset . . . . .	6 each
Signposts reset . . . . .	507 each
Stone bounds set . . . . .	215 each
4-foot chain link fence . . . . .	1,784 lineal feet
Minor drain . . . . .	2,883 lineal feet
Connecting Y's . . . . .	3 each
Connections . . . . .	50 each
Catch basins built . . . . .	63 each
Drop inlets built . . . . .	107 each
Catch basins abandoned . . . . .	11 each
Utility trench . . . . .	3,076 square yards
"E" frames and grates . . . . .	18 each
Police details . . . . .	5,710 hours
Black steel conduit . . . . .	12,046 lineal feet
Regular light bases . . . . .	135 each
6-inch plastic cross walk . . . . .	7,230 lineal feet
12-inch plastic stop line . . . . .	484 lineal feet
4-inch plastic lane marker . . . . .	2,566 lineal feet
Sod . . . . .	204 square yards
Retaining wall . . . . .	45.5 cubic yards
Cribbing wall . . . . .	296 square feet
15-inch drain pipe . . . . .	280 lineal feet
3-inch conduit . . . . .	4,668 lineal feet
Pull boxes . . . . .	117 each
Streetlight cabinets . . . . .	8 each



**TABLE 10**  
**WORK DONE BY CITY FORCES IN 1968**

ITEM	QUANTITY
Bituminous roadway repairs . . . . .	82,293 square yards
Bituminous sidewalk repairs . . . . .	36,754 square yards
Bituminous yard repairs . . . . .	2,660 square yards
Granite block roadway repairs . . . . .	58 square yards
Stone wall repairs (pointing, replacing, etc.) . . . . .	560 square yards
Brick sidewalk repairs . . . . .	161 square yards
Granolithic sidewalk replaced . . . . .	11,218 square yards
Straight granite edgestone reset . . . . .	603 square yards
Circular granite edgestone reset . . . . .	250 lineal feet
Precast concrete curbing reset . . . . .	130 lineal feet
Chain link fence repairs (replacing posts, etc.) . . . . .	184 lineal feet
Water boxes reset . . . . .	25 each
Erected iron posts for barricades . . . . .	28 each
Debris removed from streets . . . . .	175,355 cubic yards
Salt spread . . . . .	22,097 tons
Snow removed by city forces . . . . .	41,782 cubic yards
Catch basins and drop inlets cleaned . . . . .	4,205 each
Animals removed from streets and sidewalks . . . . .	2,778 each
Gravel roadway repairs (grading, etc.) . . . . .	2,200 square yards

**TABLE 11**  
**PATCHING QUANTITIES FOR 1968**

ITEM	QUANTITY
<b>SIDEWALKS</b>	
Edgestone reset . . . . .	3,295 lineal feet
Artificial stone sidewalks . . . . .	212,705 square feet
Artificial stone driveways . . . . .	7,900 square feet
Concrete base . . . . .	178 cubic yards
Boxes reset . . . . .	8 each
Sign posts reset . . . . .	11 each

ITEM	QUANTITY
<b>ROADWAY</b>	
Roadway patching . . . . .	425,000 square feet
Adjacent patching . . . . .	43,000 square feet
Castings reset . . . . .	398 each
Catch basins remodeled . . . . .	2 each
Bituminous concrete patching (sidewalks) . . . . .	7,225 square feet

ITEM	QUANTITY
<b>ASPHALT OVERLAYS</b>	
Pavement removed . . . . .	384 square feet
Bituminous concrete base . . . . .	1,241 tons
Bituminous concrete top . . . . .	47,883 tons
Installations reset . . . . .	507 each

TABLE 12  
STREET CLEANING CONTRACTS AWARDED IN 1968

CONTRACT	CONTRACTOR	AMOUNT
Cleaning streets with mechanical sweepers in parts of District 1 . . . . .	M & M Contracting Company	\$462,600 00
Street cleaning in the North End and Market area . . . . .	M & M Contracting Company	162,185 76
Cleaning streets with mechanical sweepers in Charlestown . . . . .	Boston Disposal Corporation	56,826 00
Total . . . . .		\$681,611 76

TABLE 13

Installation of Electrical Conduit, Handholes and Light Bases in: Waldren Road, Walnut Park, Wardman Road, Westminster Avenue . . . . .	Grandview Contracting, Inc.	\$45,560 00
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TABLE 14  
ASPHALT RESURFACING OF ROADWAYS BY CONTRACT

LOCATION	CONTRACTOR	AMOUNT OF CONTRACT
Area 1 . . . . .	Trimount Bituminous Products . . . . .	\$149,250 00
Area 2 . . . . .	Hot Top Pavements, Inc. . . . .	188,800 00
Area 3 . . . . .	Essex Bituminous Concrete Corp. . . . .	125,350 00
Total . . . . .		\$463,400 00

## TABLE 15

1968

## MERCURY VAPOR LIGHTING PROJECTS

In 1968 orders were issued for the installation of 3,500 lumen lamps and the replacement of old lighting units on the following streets:

Adelaide Terrace, West Roxbury . . . . .	1
Agassiz Park, West Roxbury . . . . .	3
Alameda Road, West Roxbury . . . . .	4
Albert Place, Dorchester . . . . .	1
Albion Street, Dorchester . . . . .	4
Aldwin Road, West Roxbury . . . . .	1
Aldworth Street, West Roxbury . . . . .	6
Algonquin Street, Dorchester . . . . .	6
Allston Street, Dorchester . . . . .	8
Alpha Road, Dorchester . . . . .	6
Amherst Street, West Roxbury . . . . .	4
Arcadia Street, West Roxbury . . . . .	3
Aspinwall Road, Dorchester . . . . .	6
Atwill Road, West Roxbury . . . . .	3
Auckland Street, Dorchester . . . . .	12
Avalon Road, West Roxbury . . . . .	6
Ballard Street, West Roxbury . . . . .	5
Bardwell Street, West Roxbury . . . . .	5
Bartlett Place, Boston . . . . .	2
Basto Terrace, West Roxbury . . . . .	2
Bay Street, Dorchester . . . . .	5
Beaufort Road, West Roxbury . . . . .	4
Belnel Road, Hyde Park . . . . .	17
Benson Street, Brighton . . . . .	1
Bentham Road, Dorchester . . . . .	2
Blakeville Street, Dorchester . . . . .	4
Board Alley, Boston . . . . .	1
Bow Street, Hyde Park . . . . .	5
Burroughs Street, West Roxbury . . . . .	12
Calder Street, West Roxbury . . . . .	4
Carolina Square, West Roxbury . . . . .	2
Cawfield Street, Dorchester . . . . .	4
Cedarcrest Lane, West Roxbury . . . . .	3
Chamberlain Street, Dorchester . . . . .	4
Chelmsford Street, Dorchester . . . . .	6
Clark Street, Boston . . . . .	1
Claybourne Street, Dorchester . . . . .	11
Copeland Street, Roxbury . . . . .	10
Custer Street, West Roxbury . . . . .	7
Cutter Road, West Roxbury . . . . .	2
Deer Street, Dorchester . . . . .	5

Delle Avenue, Roxbury . . . . .	5
Derry Road, Hyde Park . . . . .	5
Dow Road, West Roxbury . . . . .	7
Drayton Avenue, Dorchester . . . . .	2
Eastman Street, Dorchester . . . . .	6
Egleston Street, West Roxbury . . . . .	3
Elder Street, Dorchester . . . . .	6
Ellington Street, Dorchester . . . . .	16
Enterprise Street, Dorchester . . . . .	7
Everett Avenue, Dorchester . . . . .	5
Fairland Street, Roxbury . . . . .	4
Foster Street, Boston . . . . .	2
Fountain Place, Boston . . . . .	1
Fresno Street, West Roxbury . . . . .	5
Gaylord Street, Dorchester . . . . .	4
Glenburnie Road, West Roxbury . . . . .	7
Glendale Street, Dorchester . . . . .	6
Gold Street, South Boston . . . . .	3
Granville Street, Dorchester . . . . .	6
Greenbrier Street, Dorchester . . . . .	7
Greenbrook Road, Hyde Park . . . . .	6
Greenmount Street, Dorchester . . . . .	3
Hanover Street (rear of 204-408), Boston . . . . .	3
Harvard Avenue, Dorchester . . . . .	4
Harvard Park, Dorchester . . . . .	2
Hastings Street, West Roxbury . . . . .	8
Hayden Street, Roxbury . . . . .	2
Hecla Street, Dorchester . . . . .	8
Hewins Street, Dorchester . . . . .	6
Howe Street, Dorchester . . . . .	5
Huntoon Street, Dorchester . . . . .	4
Iffley Road, West Roxbury . . . . .	7
Iroquios Street, Roxbury . . . . .	10
Joan Road, Hyde Park . . . . .	7
Joanne Terrace, Dorchester . . . . .	2
Kane Street, Dorchester . . . . .	1
Lakeville Road, West Roxbury . . . . .	5
Larchmont Street, Dorchester . . . . .	8
Lawn Street, Roxbury . . . . .	8
Leroy Street, Dorchester . . . . .	5
Levant Street, Dorchester . . . . .	7
Liberty Street, South Boston . . . . .	2
Lyndhurst Street, Dorchester . . . . .	7
Lynn Street, Boston . . . . .	3
Lyon Street, Dorchester . . . . .	6
MacNiel Way, Dorchester . . . . .	1
Manion Road, Hyde Park . . . . .	5
Maple Street, Roxbury . . . . .	10
Maxfield Street, West Roxbury . . . . .	5
McBride Street, West Roxbury . . . . .	14

Meredith Street, West Roxbury . . . . .	4
Messenger Street, Dorchester . . . . .	3
Milwood Terrace, Dorchester . . . . .	2
Monastery Road, Brighton . . . . .	1
Mt. Everett Street, Dorchester . . . . .	6
Murray Avenue, Roxbury . . . . .	2
Myopia Road, Hyde Park . . . . .	5
Nazing Street, Roxbury . . . . .	4
Neptune Road, East Boston . . . . .	6
North Street (rear No. 278), Boston . . . . .	2
North Bennet Street, Boston . . . . .	2
Nottingham Street, Dorchester . . . . .	5
Noyes Place, Boston . . . . .	2
Oak Road, West Roxbury . . . . .	4
Orchardhill Road, West Roxbury . . . . .	1
Oriole Street, West Roxbury . . . . .	10
Patterson Way, South Boston . . . . .	7
Penfield Street, West Roxbury . . . . .	6
Potosi Street, Dorchester . . . . .	2
Power Court, South Boston . . . . .	3
Putnam Street, East Boston . . . . .	20
Radcliffe Road, Brighton . . . . .	2
Ralston Road, Dorchester . . . . .	3
Rector Road, Dorchester . . . . .	9
Richwood Street, West Roxbury . . . . .	9
Ridgewood Street, Dorchester . . . . .	6
Rill Street, Dorchester . . . . .	4
Ripley Road, Dorchester . . . . .	8
Roach Street, Dorchester . . . . .	4
Rockdale Street, Dorchester . . . . .	13
Rowena Street, Dorchester . . . . .	2
Ruskin Street, West Roxbury . . . . .	4
Rutledge Street, West Roxbury . . . . .	5
Sagamore Street, Dorchester . . . . .	6
St. Margaret Street, Dorchester . . . . .	8
Sanger Street, South Boston . . . . .	2
Saranac Street, Dorchester . . . . .	2
Sargent Street, Dorchester . . . . .	8
Saville Street, West Roxbury . . . . .	3
Seminole Street, Hyde Park . . . . .	9
Shanley Street, Brighton . . . . .	2
Silver Street, South Boston . . . . .	8
Speedway Avenue, Brighton . . . . .	2
Speedwell Street, Dorchester . . . . .	5
Stanwood Street, Dorchester . . . . .	14
Stonehurst Street, Dorchester . . . . .	5
Sunset Lane, Dorchester . . . . .	2
Taft Street, Dorchester . . . . .	3
Thacher Court, Boston . . . . .	2
Thornley Street, Dorchester . . . . .	5



Tileston Place, Boston . . . . .	1
Trull Street, Dorchester . . . . .	5
Vinal Street, Brighton . . . . .	2
Walbridge Street, Brighton . . . . .	3
Waldren Road, Roxbury . . . . .	4
Walnut Park, Roxbury . . . . .	6
Walnut Place, Hyde Park . . . . .	2
Wardman Road, Roxbury . . . . .	4
Washburn Street, South Boston . . . . .	4
Waterlow Street, Dorchester . . . . .	2
Westminster Avenue, Roxbury . . . . .	4
Westover Street, West Roxbury . . . . .	13
Whiting Street, Roxbury . . . . .	6
Whittemore Street, Dorchester . . . . .	2
Whittemore Street, West Roxbury . . . . .	3
Willoughby Street, Brighton . . . . .	3
Wilton Terrace, Brighton . . . . .	1
Winston Street, Dorchester . . . . .	7
Winthrop Street, Hyde Park . . . . .	8
Wolcott Street, Dorchester . . . . .	6
Woodmont Street, Brighton . . . . .	1
Wyvern Street, West Roxbury . . . . .	11

In 1968 orders were issued for the installation of 7,000 lumen lamps and the replacement of old lighting units on the following streets:

Allandale Street, West Roxbury . . . . .	31
Annunciation Road, Roxbury . . . . .	11
Bellevue Street, Dorchester . . . . .	15
Cazenove Street, Boston . . . . .	3
Chandler Street, Boston . . . . .	3
Child Street, Hyde Park . . . . .	19
Clarendon Street, Boston . . . . .	6
Copeland Park, Roxbury . . . . .	1
Covington Street, South Boston . . . . .	5
Davern Avenue, Dorchester . . . . .	3
Eliot Street, West Roxbury . . . . .	15
F Street, South Boston . . . . .	17
Fisher Avenue, Roxbury . . . . .	19
G Street, South Boston . . . . .	21
Gates Street, South Boston . . . . .	7
Greenwood Square, Hyde Park . . . . .	1
Harold Street, Roxbury . . . . .	23
Harvest Street, Dorchester . . . . .	7
Havre Street, East Boston . . . . .	25
Holiday Street, Dorchester . . . . .	8
Hollingsworth Street, Dorchester . . . . .	12
Holyoke Street, Boston . . . . .	3

Lexington Avenue, Hyde Park . . . . .	8
Lockwood Street, Hyde Park . . . . .	5
M Street, South Boston . . . . .	24
Monadnock Street, Dorchester . . . . .	10
Montebello Street, West Roxbury . . . . .	7
Mt. Vernon Street, Dorchester . . . . .	7
Peaceville Road, Dorchester . . . . .	6
Pittsburgh Street, South Boston . . . . .	6
Prince Street, West Roxbury . . . . .	20
Robinson Street, Dorchester . . . . .	6
Rockwood Terrace, West Roxbury . . . . .	3
Rosewood Street, Dorchester . . . . .	6
Rutland Square, Boston . . . . .	7
St. Charles Street, Boston . . . . .	2
School Street, West Roxbury . . . . .	16
Saxton Street, Roxbury . . . . .	11
Shirley Street, Dorchester . . . . .	12
Sprague Street, Hyde Park . . . . .	11
Standard Street, Dorchester . . . . .	8
Sydney Street, Dorchester . . . . .	19
Telegraph Street, South Boston . . . . .	5
Trapelo Street, Brighton . . . . .	7
Waldren Road, Roxbury . . . . .	3
Walnut Park, Roxbury . . . . .	17
Wardman Road, Roxbury . . . . .	3
Wellington Street, Boston . . . . .	3
West Fifth Street, South Boston . . . . .	2
Westminster Avenue, Roxbury . . . . .	13
Westminster Terrace, Roxbury . . . . .	2
Whitman Street, Dorchester . . . . .	5
Woodgate Street, Dorchester . . . . .	8

In 1968 orders were issued for the installation of 11,000 lumen lamps and the replacement of old lighting units on the following streets:

Adams Street, Dorchester . . . . .	8
Beech Street, West Roxbury . . . . .	26
Foster Street, Brighton . . . . .	5

In 1968 orders were issued for the installation of 20,000 lumen lamps and the replacement of old lighting units on the following streets:

Berkeley Street, Boston . . . . .	7
Dana Avenue, Hyde Park . . . . .	4
North Beacon Street, Brighton . . . . .	35
Parker Street, Roxbury . . . . .	14
River Street, Hyde Park . . . . .	45
Savin Hill Avenue, Dorchester . . . . .	42
Washington Street, Brighton . . . . .	2

**APPENDIX D****SANITARY DIVISION**

**TABLE 1 — Payments to Refuse Collection Contractors  
(First Quarter)**

**TABLE 2 — Payments to Refuse Collection Contractors  
(Balance)**

**TABLE 3 — Sundry Payments**

**TABLE 4 — Expenditures**

**TABLE 5 — Operating Costs**

**TABLE 6 — Unit Costs**

**TABLE 1**  
**PAYMENTS TO REFUSE COLLECTION CONTRACTORS**  
**FIRST 3 MONTHS — JANUARY, FEBRUARY, MARCH**

DISTRICT	Contractor	Total 3 Months' Payments*
1A Charlestown.....	Banco Corporation.....	\$17,502 86
1B Boston Proper.....	James A. Freaney, Inc.....	81,551 31
2 Jamaica Plain.....	Joseph Amara & Sons, Inc.....	44,514 80
3 Dorchester (N).....	Jeffries Disposal Corporation.....	87,543 98
4 Brighton.....	J. F. Ryan, Inc.....	69,555 28
5 South Boston.....	Banco Corporation.....	33,005 73
6 West Roxbury.....	M & C Corporation.....	63,589 68
7 Dorchester (S).....	United Contracting Company, Inc., of Boston.....	87,902 37
8 Hyde Park.....	Howard Disposal Corporation.....	40,055 45
9 East Boston.....	Banco Corporation.....	54,524 16
10 Roxbury.....	Dooley Brothers, Inc.....	93,831 57
Total 3 Months.....		\$676,752 65

\* Includes increase in labor costs.

**TABLE 2**  
**PAYMENTS TO REFUSE COLLECTION CONTRACTORS**  
**LAST 9 MONTHS — APRIL 1 TO DECEMBER 31, INCLUSIVE**

DISTRICT	Contractor	Total 9 Months' Payments*
1A Charlestown.....	Banco Corporation.....	\$66,955 00
1B Boston Proper.....	James A. Freaney, Inc.....	321,104 10
2 Jamaica Plain.....	Joseph Amara & Sons, Inc.....	218,680 05
3 Dorchester (N).....	Jeffries Disposal Corporation.....	478,511 00
4 Brighton.....	J. F. Ryan, Inc.....	311,315 65
5 South Boston.....	Banco Corporation.....	116,198 10
6 West Roxbury.....	M & C Corporation.....	340,065 35
7 Dorchester (S).....	United Contracting Company, Inc., of Boston.....	503,616 00
8 Hyde Park.....	Howard Disposal Corporation.....	189,822 10
9 East Boston.....	Banco Corporation.....	204,899 00
10 Roxbury.....	Dooley Brothers, Inc.....	421,606 93
Last 9 Months' Total.....		\$3,172,773 28
First 3 Months' Total.....		676,752 65
Collection Grand Total.....		\$3,849,525 93

\* Includes increase in labor costs<sup>1</sup>

TABLE 3

## SUNDRY PAYMENTS

## REMOVAL OF GARBAGE

	3 MONTHS	9 MONTHS
Transfer Station		
Victory Road	\$3,250 00	\$11,700 00
Gardner Street	3,250 00	11,700 00
Kristoff Brothers		\$14,950 00
Kennedy Brothers		14,950 00
		<u>\$29,900 00</u>

## PAYMENTS FOR REMOVAL OF INCINERATOR RESIDUE

	FIRST 3 MONTHS, JANUARY, FEBRUARY, MARCH
Howard Disposal Corporation	17,073 tons at \$1.35 per ton \$23,048 55
	LAST 9 MONTHS, APRIL TO DECEMBER, INCLUSIVE
Howard Disposal Corporation	46,708.5 tons at \$1.39 per ton 64,924 82
	<u>\$87,973 37</u>

## PAYMENTS FOR COVER MATERIAL FOR GARDNER STREET

	3 MONTHS AT
West Roxbury Crushed Stone	26,171 tons at 80¢ a ton \$20,936 80
	9 MONTHS AT
West Roxbury Crushed Stone	102,502 tons at \$1.00 per ton 102,502 00
	<u>\$123,438 80</u>

## PAYMENTS FOR REMOVAL OF DERELICT AUTOMOBILES

	JANUARY, FEBRUARY, MARCH
Arnold Aronoff	69 cars at \$1.80 each \$124 20
	APRIL TO DECEMBER, INCLUSIVE
J. Nissenbaum	177 cars at \$2.50 each 442 50
	<u>\$566 70</u>
Disposal Contractors' Grand Total	\$241,878 87
Contractors' Grand Total	<u>\$4,091,404 80</u>



**TABLE 4**  
**EXPENDITURES**

**EXPENDITURES IN 1968:**

Payments to refuse collection contractors . . .	\$3,849,525 93
Payments for removal of garbage . . . . .	29,900 00
Payments for removal of derelict automobiles . . .	566 70
Payments for removal of incinerator residue . . .	87,973 37
Payments for cover material for Gardner Street . .	123,438 80
<b>Total collection and disposal contract payments . .</b>	<b>\$4,091,404 80</b>
<b>Payroll totals:</b>	
Administrative and general services . . . . .	68,397 76
Collection Section . . . . .	728,922 86
Disposal Section . . . . .	695,324 22
<b>Subtotal . . . . .</b>	<b>\$1,492,644 84</b>
Temporary employees . . . . .	34,840 00
Overtime payrolls . . . . .	228,025 19
<b>Total payrolls . . . . .</b>	<b>\$1,755,510 03</b>
<b>Incinerator operation and maintenance costs (other than labor) . . . . .</b>	
Payments on other contracts . . . . .	139,518 57
Supplies and materials (other than incinerator) . .	19,500 00
Rental of refuse containers and other costs for community cleanup . . . . .	4,006 89
Miscellaneous (advertising, rental of equipment, etc.) .	29,719 50
	12,498 20
<b>Grand total expenditures . . . . .</b>	<b>\$6,052,157 99</b>

**TABLE 5**  
**1968 OPERATING COSTS**

**ADMINISTRATIVE SECTION:**

Payroll . . . . .	\$47,425 48
Office supplies . . . . .	4,006 89
	<u>51,432 37</u>

**COLLECTION SECTION:**

Collection contracts . . . . .	\$3,849,525 93
Payroll . . . . .	253,365 01
Advertisements . . . . .	5,978 43
	<u>4,108,870 37</u>

**Lot Cleaning:**

Payroll . . . . .	\$142,621 86
Materials and tools . . . . .	4,679 82
	<u>147,301 68</u>

## Alley Cleaning:

Payroll . . . . .	\$150,145 04	
Materials and tools . . . . .	642 83	
	<hr/>	\$150,787 87

## Litter Baskets:

Payroll . . . . .	\$86,461 98	
New baskets and parts . . . . .	613 10	
	<hr/>	87,075 08

## Market Cleaning:

Payroll . . . . .	\$26,342 52	26,342 52
-------------------	-------------	-----------

## Abandoned Cars:

Contractor . . . . .	\$566 70	
Payroll . . . . .	13,350 29	
Material . . . . .	40 00	
	<hr/>	13,956 99

## Cleanup Campaign:

Temporary labor on lots . . . . .	\$8,748 20	
Equipment and supplies . . . . .	29,719 50	
	<hr/>	38,467 70

## Education and Enforcement:

Payroll . . . . .	\$112,834 43	
Transportation and uniforms . . . . .	2,421 40	
	<hr/>	115,255 83

## ✓ DISPOSAL SECTION:

## Incinerator:

Payroll (Including overtime and temporary employees) . . . . .	\$824,378 65	
Maintenance . . . . .	139,518 57	
Residue haul . . . . .	87,973 37	
	<hr/>	1,051,870 59

## Amortization of Plant:

Principal . . . . .	\$269,000 00	
Interest . . . . .	88,281 00	
	<hr/>	357,281 00

## ✓ Gardner Street Sanitary Landfill:

Payroll . . . . .	\$74,471 40	
Cover material . . . . .	123,438 80	
Hire of equipment and other materials . . . . .	4,631 79	
	<hr/>	202,541 99

## Garbage Disposal:

Victory Road . . . . .	\$14,950 00	
Gardner Street . . . . .	14,950 00	
	<hr/>	29,900 00

TABLE 6

## 1968 UNIT COSTS

(1)	Administrative \$51,432 37	Approximately 0.85 percent of total cost
(2)	Refuse Collection \$4,108,870 37, 295,288 tons a year	\$13 92 a ton
(3)	Vacant Lots \$147,301 68, 4,069 lots	\$36 20 a lot
(4)	Alley Cleaning \$150,787 87, 2,299 tons a year	\$65 60 a ton
(5)	Litter Baskets \$87,075 08, 890 baskets, 220,000 servicings	\$0 40 a servicing
(6)	Market Cleaning \$26,342 52, 2,080 tons a year	\$12 66 a ton
(7)	Abandoned Vehicles \$13,956 99, 846 cars	\$16 50 a car
(8)	Cleanup Campaign \$38,467 70	
(9)	Education and Enforcement \$115,255 83	Less than 2 percent of total cost
(10)	Incinerator \$1,051,870 59, operations, 143,429 tons a year \$357,281, amortization	\$7 33 a ton \$2 49 a ton
(11)	Gardner Street Sanitary Landfill \$202,541 99, 195,128 tons a year	\$1 04 a ton
(12)	Garbage Disposal \$29,900, 8,350 tons a year	\$3 58 a ton

**APPENDIX E**  
**SEWER DIVISION**

TABLE 1 — Financial Statement

TABLE 2 — Summary of Sewer Construction

TABLE 3 — Five-Year Summary of Sewer Construction

TABLE 4 — Length of Sewers

TABLE 5 — Number of Catch Basins

TABLE 6 — Maintenance Section Activities

TABLE 7 — Calf Pasture Pumping Statistics

TABLE 8 — Sewerage Works Contracts

TABLE 1

## FINANCIAL STATEMENT

Balances from 1967 Appropriations . . . . .	\$7,570 59
RECEIPTS:	
Sewer Use Charge . . . . .	\$3,063,571 76
Tax Title Sewer Use Charge . . . . .	49,833 12
	<u>3,113,404 88</u>
	\$3,120,975 47
EXPENDITURES:	
Sewer Service . . . . .	\$738,259 30
Pensions and Annuities . . . . .	149,964 25
Departmental Equipment . . . . .	8,870 78
Public Works . . . . .	172,724 00
Data Processing Unit . . . . .	40,201 00
Collecting Division . . . . .	57,884 00
Pensions, State-Boston . . . . .	73,482 00
Debt and Interest . . . . .	789,106 17
*M.D.C. Assessment . . . . .	3,512,122 46
	<u>5,542,613 96</u>
	\$2,421,638 49
Carried forward to 1969 Appropriation—deficit . . . . .	10,584 43
Deficit . . . . .	<u>\$2,432,222 92</u>
*M.D.C. Assessment . . . . .	\$3,512,122 46
M.D.C. Payment . . . . .	2,056,189 83
	<u>\$1,455,932 63</u>
Overestimate . . . . .	
NONREVENUE EXPENDITURES—1968	
Sewerage Works Loan:	
Office and Engineers' Salaries . . . . .	\$252,113 41
Land Takings . . . . .	1,300 00
Miscellaneous Bills . . . . .	25,463 19
Service Orders . . . . .	1,775 00
Contracts . . . . .	692,387 51
	<u>\$973,039 11</u>
Boston Redevelopment Projects:	
Washington Park . . . . .	\$168,881 89
Government Center . . . . .	214,525 40
South End . . . . .	21,549 80
	<u>\$404,957 09</u>

\* St. 1959, Chapter 612, Section 9—Based on estimated assessment for interest and principal which will be subject to 52 percent reduction until Boston Main Drainage System is connected to M.D.C. Maintenance and operation assessment is based upon the area now served by Metropolitan District Sewers until connection is made.

TABLE 2

**SUMMARY OF SEWER CONSTRUCTION FOR TWELVE MONTHS  
ENDING DECEMBER 31, 1968**

DISTRICT	Built by City, Either by Contract or Day Labor	Built by Private Parties	Shared by City and Government	Total Lengths Built	
	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Miles</i>
City Proper.....	647	.....	.....	647	0.122
Roxbury.....	220	.....	9,408	9,628	1.823
South Boston.....	2,895	.....	.....	2,895	0.548
East Boston.....	.....	.....	.....	.....	.....
Charlestown.....	.....	.....	.....	.....	.....
Brighton.....	1,785	.....	.....	1,785	0.338
West Roxbury.....	6,596	445	.....	7,041	1.347
Dorchester.....	3,514	.....	.....	3,514	0.666
Hyde Park.....	1,034	.....	.....	1,034	0.195
Totals.....	16,691	445	9,408	26,544	5.039

TABLE 3

**SUMMARY OF SEWER CONSTRUCTION FOR FIVE YEARS TO  
DECEMBER 31, 1968**

	1964	1965	1966	1967	1968
	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Linear Feet</i>
Built by city by contract or day labor.....	39,813.50	21,937.00	24,308.00	19,823.50	16,691.00
Built by private parties.....	2,749.20	2,613.00	530.00	.....	445.00
Shared by city and government..	.....	16,509.00	36,182.00	8,553.70	9,408.00
Totals.....	42,562.70	41,059.00	61,020.00	28,377.20	26,544.00



**TABLE 4**  
**TOTAL LENGTH OF SEWERS**

	Miles
Common sewers and surface drains built previous to January 1, 1968 . . . . .	1,376.723
Common sewers and surface drains built between January 1 and December 31, 1968 . . . . .	5.039
Common sewers and surface drains built ending December 31, 1968 . . . . .	1,381.762
Abandoned sewers ending December 31, 1968 . . . . .	0.365
Total miles . . . . .	1,381.397

**TABLE 5**  
**CATCH BASINS UNDER JURISDICTION OF SEWER DIVISION**

DISTRICT	CATCH BASINS FOR TWELVE MONTHS ENDING DECEMBER 31, 1968		Net Increase	TOTAL FOR ENTIRE CITY	
	Number Built or Rebuilt	Number Abandoned or Removed		Previous Report through December 31, 1967	Grand Total to December 31, 1968
City Proper.....	0	0	0	3,821	3,821
Roxbury.....	4	2	2	3,642	3,644
South Boston.....	1	0	1	1,530	1,531
East Boston.....	0	0	0	1,259	1,259
Charlestown.....	0	0	0	871	871
Brighton.....	0	0	0	2,184	2,184
West Roxbury.....	22	2	20	4,901	4,921
Dorchester.....	5	7	2	5,827	5,825
Hyde Park.....	0	0	0	1,655	1,655

NOTE — Summary of catch basins built/abandoned by the Highway Division for 12 months ending December 31, 1968:

	24	7	17	—	—
Totals.....	56	18	48	25,690	25,738

**TABLE 6**  
**MAINTENANCE SECTION**

	1968
Complaints received and investigated.....	5,522
Complaints received and requiring maintenance service.....	2,028
Sewers repaired by city forces and emergency repairs contractor.....	418 linear feet
Sewers cleaned.....	5.67 miles
House drains constructed, repaired, and inspected.....	310
Sealed-off drains inspected at sites of demolished buildings.....	424
Municipal liens reported to City Collector.....	4,887
Catch basins and manholes repaired by City forces and emergency repairs contractor.....	281

**TABLE 7**  
**CALF PASTURE PUMPING STATION**

	1968	1967	1966
Sewage pumped.....	8,122 MG	33,510 MG	20,076 MG
Sewage pumped—average flow.....	22.25 MGD	91.81 MGD	57.75 MGD
Pumping cost per MG.....	\$34.19	\$11.71	\$15.29

MG = million gallons.  
MGD = million gallons per day.

TABLE 8  
SEWERAGE WORKS CONTRACTS

LOCATION	District	Contractor	Length in Feet	Character	Contract Bid Price
Massachusetts Avenue.....	Dorchester.....	Coleman Brothers Corp.....	50.00	Emergency site preparation at collapsed 9" sewer.....	\$84,844 00
Massachusetts Avenue.....	Dorchester.....	R. A. Buccella & Sons Corp.....	50.00	Rebuilding 9" sewer.....	76,020.00
Hewes Street.....	Roxbury.....	D. Federtco Company, Inc.....	2,075.00	10" pipe sewer.....	220,069 00
Leslie Park.....			802.00	12" pipe sewer.....	
Rockland Street (Part).....			1,014.00	12" surface drain.....	
Wakullah Street.....			250.00	18" surface drain.....	
Dale Street (Part).....			308.00	21" surface drain.....	
Elmore Street.....			620.00	24" surface drain.....	
			260.00	27" surface drain.....	
			403.00	30" surface drain.....	
			500.00	minor drain.....	
				15 sewer manholes.....	
				10 surface drain manholes.....	
				2 catch basins.....	
				2 catch basins removed.....	
Akron Street.....	Roxbury.....	Z & S Construction Company.....	4,434.00	10" pipe sewer.....	257,086 50
Alpine Street.....			30.00	12" pipe sewer.....	
Circuit Street (Part).....			2,804.00	12" surface drain.....	
Fountain Street.....			1,601.00	15" surface drain.....	
Regent Street (Part).....			50.00	18" surface drain.....	
St. James Street.....			1,200.00	minor drain.....	
				27 sewer manholes.....	
				16 surface drain.....	
				3 catch basins.....	
Colborne Road (Part).....	Brighton.....	Massachusetts Construction Company, Inc.....	1,581.00	10" pipe sewer.....	77,780 00
Greenville Street.....	Roxbury.....		204.00	24" pipe sewer.....	
Mercer Street (Part).....	South Boston.....		453.00	10" surface drain.....	
Od Harbor Street (Part).....			820.00	12" surface drain.....	
			557.00	minor drain.....	
				7 manholes.....	

Newfield Street (Part).....	West Roxbury Hyde Park.....	A. Musto Company, Inc.	61.80	10" pipe sewer minor drain 1 manhole	\$77,000 00
Sprague Street (Part).....	Hyde Park.....	Carriere Construction Company.	393.00	Minor drain.....	
Private Land.....			75.00		71,665 00
Townsend Street.....	Hyde Park.....	Charles & Louis Construction Company, Inc.....	1,440.00	10" pipe sewer.....	73,317 00
Hale Street (Part).....			428.00	10" surface drain	
Emmet Street (Part).....			792.00	18" surface drain	
Danny Road (Part).....			93.00	minor drain	
Fieldmont Street.....				11 manholes	
Sanford Road (Part).....				5 catch basins	
Collins Street (Part).....	Hyde Park.....	Charles Todesca.....	310.00	10" pipe sewer.....	218,428 00
			234.00	12" surface drain	
			256.00	minor drain	
				3 manholes	
Parkside Drive.....	West Roxbury.....	Main Line Construction Com- pany.....	18.00	24" surface drain.....	34,775 98
Outlet in Private Land.....			141.00	15" surface drain	
			961.00	12" surface drain	
			1,310.00	10" pipe sewer	
			175.00	10" surface drain	
			140.00	minor drain	
				16 manholes	
				6 catch basins	
				3 drop inlets	
Westgate Road.....	West Roxbury.....	R. A. Buccella & Sons, Inc.....	994.00	10" pipe sewer.....	113,373 00
and Private Land.....			815.00	36" surface drain.....	
			29.00	minor drain	
				10 manholes	
				2 catch basins	
Lathrop Place.....	Boston Proper.....	R. A. Buccella & Sons, Inc.....	423.00	10" pipe sewer.....	17,140 00
Private Land.....	East Boston.....		20.00	minor drain	
				4 manholes	

## SEWERAGE WORKS CONTRACTS, Continued

LOCATION	District	Contractor	Length in Feet	Character	Contract Bid Price
B Street (Part) ..... West Seventh Street (Part).....	South Boston.....	R. A. Buccella & Sons, Inc.....	373.00 538.00 86.00 540.00 85.00 241.00	48" surface drain 12" pipe sewer 10" surface drain 12" surface drain 10" pipe sewer minor drain 6 manholes	\$74,944 00
Clearway Street.....	Boston Proper.....	R. A. Buccella & Sons, Inc.....	100.00 124.00	12" pipe sewer 18" surface drain 4 manholes	17,896 00
Quincy Street.....	Dorchester-Roxbury...	R. A. Buccella & Sons, Inc.....	126.00 12.00 824.00 893.00 761.00 59.00 839.00 775.00 110.00 110.00	15" pipe sewer 18" pipe sewer 12" pipe sewer 10" pipe sewer 18" surface drain 15" surface drain 12" surface drain minor drain 22 manholes 10" pipe sewer 12" surface drain	114,536 00

## APPENDIX F

## WATER DIVISION

- TABLE 1—Water Pipes and Services
- TABLE 2—Number of Hydrants
- TABLE 3—Cost of Replacing Main Pipes
- TABLE 4—Cost of Extensions
- TABLE 5—Meters in Service
- TABLE 6—Meters Taken Out
- TABLE 7—Meters Set
- TABLE 8—Connecting Pieces Taken Out
- TABLE 9—Connecting Pieces Put In
- TABLE 10—Reasons for Meter Changes
- TABLE 11—Financial Statement



TABLE 1

Showing Length of Water Pipes and Connections Owned and Operated by Public Works Department, Water Division,  
Water Services, and Number of Valves in Same, December 31, 1968

	DIAMETER OF PIPE IN INCHES															Total
	48	42	40	36	30	24	20	16	12	10	8	6	4	3	2	
Lengths owned and operated, December 31, 1967.....	56,285	16,191	8,809	30,238	76,480	89,675	108,203	393,565	1,897,253	445,617	1,520,221	878,873	63,157	11,345	6,102	5,602,014
Gate valves in same.....	26	4	5	31	54	78	72	809	5,359	1,566	5,383	3,123	586	16	18	17,130
Air valves in same.....	60	5	10	35	113	85	53	105	65	1	5	—	—	1	—	538
Blowoffs in same.....	11	5	6	11	33	37	52	77	166	40	203	141	—	9	—	791
High pressure fire service.....	—	—	—	—	—	—	20,140	50,751	32,379	—	—	—	—	—	—	103,270
Lengths laid and relaid in 1968.....	—	—	—	—	—	1,175	—	1,500	7,489	—	22,028	921	50	—	—	33,163
Gate valves in same.....	—	—	—	—	—	2	—	7	21	—	46	27	2	—	—	105
Air valves in same.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Blowoffs in same.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lengths abandoned in 1968.....	—	—	—	—	—	—	—	340	3,521	—	985	15,970	—	—	—	20,816
Gates abandoned in 1968.....	—	—	—	—	—	—	—	—	3	—	2	26	—	—	—	31
Air valves abandoned in 1968.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Blowoffs abandoned in 1968.....	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lengths owned and operated, including high pressure fire service, December 31, 1968.....	56,285	16,191	8,809	30,238	76,480	90,850	108,203	394,725	1,901,221	445,617	1,541,264	861,982	63,207	11,345	6,102	5,612,519
Gate valves in same.....	26	4	5	31	54	80	72	816	5,377	1,566	5,427	3,124	588	16	18	17,204
Air valves in same.....	60	5	10	35	113	85	53	105	65	1	5	—	—	1	—	538
Blowoffs in same.....	11	5	6	11	33	37	52	77	166	40	203	141	—	9	—	791
High pressure fire service.....	—	—	—	—	—	—	20,140	50,751	32,379	—	—	—	—	—	—	103,270

1,062.98 miles in distribution system, including high pressure fire service.  
19.56 miles in high pressure fire service.

TABLE 2

## TOTAL NUMBER OF HYDRANTS IN SYSTEM, DECEMBER 31, 1968

Hydrants	Lowry	Boston Lowry	Boston Post	Ordinary Post	Batchelder & Finneran	Ludlow Post	Chapman Post	Boston Hydrant	Mueller Post	A. P. Smith	Darling Post	Matthew Post	M. H.	Total
Public, December 31, 1967.....	400	239	1,878	1,615	6,729	2	—	67	302	308	34	—	231	11,805
Private, December 31, 1967.....	33	5	29	126	17	13	56	111	—	—	—	4	—	394
Added, 1968.....	—	—	—	—	10	—	—	—	98	10	—	—	32	150
Abandoned, 1968.....	5	—	41	49	29	—	—	—	1	1	—	—	—	126
Total public, December 31, 1968....	395	239	1,837	1,566	6,710	2	—	67	399	317	34	—	263	11,829
Total private, December 31, 1968....	33	5	29	126	17	13	56	111	—	—	—	4	—	394

Total hydrants in service, December 31, 1967	12,669
Total hydrants added during 1968	150
Total hydrants abandoned, 1968	126
Total hydrants in service, December 31, 1968	12,693
High pressure fire hydrants in service, December 31, 1968	427
Total hydrants (all kinds) in service, December 31, 1968	13,120

TABLE 3  
COST OF REPLACEMENT OF MAIN PIPE 1968

Area	District	Street	Size (Inches)	Length (Feet)	Contract Cost	Engineering and Inspection Costs	Total Cost	Contractor
1	1	Hudson Street.....	12 W 8	200	—	—	—	Piatelli Construction Company
1	1	Melrose Street.....	6 W 8	365	—	—	—	Piatelli Construction Company
1	1	Piedmont Street.....	6 W 8	603	—	—	—	Piatelli Construction Company
1	1	Winchester Street.....	6 W 8	634	—	—	—	Piatelli Construction Company
1	10	Codman Park.....	6 W 8	50	\$5,338 03	\$266 90	\$5,604 93	Mario Susi & Sons
1	10	St. James Street.....	6 W 12	1,125	11,915 00	595 75	12,510 75	Z & S Construction Company
1	10	Greenville Street.....	6 W 8	920	11,960 00	598 00	12,558 00	Massachusetts Construction Company
1	10	Akron Street.....	6 W 8	635	5,959 80	297 99	6,257 79	Z & S Construction Company
1	10	Alpine Street.....	6 W 8	1,010	8,599 80	429 99	9,029 79	Z & S Construction Company
1	10	Fountain Street.....	6 W 8	500	4,739 80	236 99	4,976 79	Z & S Construction Company
2	4	Soldiers Field Road.....	12 W 12	340	7,627 00	381 35	8,008 35	Main Line Construction Company
2	6	Emmet Street.....	8 W 8	594	7,148 00	357 40	7,505 40	Carrier Construction Company
2	8	Hale Street.....	8 W 8	255	3,145 00	157 25	3,302 25	Carrier Construction Company
2	8	Garfield Avenue.....	6 W 8	685	9,035 10	451 76	9,486 86	Main Line Construction Company
2	8	Glenwood Avenue.....	6 W 8	564	6,794 80	339 74	7,134 54	Main Line Construction Company
2	8	Faraday Street.....	6 W 8	908	13,708 30	685 42	14,393 72	Main Line Construction Company
2	8	Sanford Street.....	12 W 8	812	9,317 00	465 85	9,782 85	Charles & Louis Construction Company, Inc.
3	5	East Fifth Street.....	6 W 8	3,166	30,864 60	1,543 23	32,407 83	Charles & Louis Construction Company, Inc.

3	5	B Street.....	6 W 8	670	13,795 00	689 75	14,484 75	R. A. Buccella & Sons, Inc.
3	5	West Eighth Street.....	6 W 6	25	375 00	18 75	393 75	Rosindale Contracting Company
3	5	West Eighth Street.....	6 W 8	1,452	25,011 33	1,250 57	26,261 90	Rosindale Contracting Company
3	5	Monks Street.....	6 W 8	234	2,694 60	134 73	2,829 33	Rosindale Contracting Company
3	5	Peters Street.....	6 W 8	234	2,704 40	135 22	2,839 62	Rosindale Contracting Company
3	5	Atlantic Street.....	6 W 8	320	4,710 00	235 50	4,945 50	R. A. Buccella & Sons, Inc.
3	5	East Fourth Street.....	6 W 8	735	9,760 00	488 00	10,248 00	R. A. Buccella & Sons, Inc.
3	5	National Street.....	6 W 8	525	7,170 00	358 50	7,528 50	R. A. Buccella & Sons, Inc.
3	5	Pacific Street.....	6 W 8	320	4,710 00	235 50	4,945 50	R. A. Buccella & Sons, Inc.
3	5	Thomas Park.....	6 W 8	15	180 00	90 00	270 00	R. A. Buccella & Sons, Inc.
3	5	West Fourth Street.....	6 W 8	505	6,144 60	307 23	6,451 83	Joseph Williams, Inc.
3	5	West Second Street.....	12 W 8	2,385	53,001 00	2,650 05	55,651 05	Joseph Williams, Inc.
3	5	East Sixth Street.....	6 W 12	521	8,945 60	447 28	9,392 88	Charles & Louis Construction Company, Inc.
		Total.....		21,227	\$275,353 76	\$13,849 70	\$289,202 46	

TABLE 4  
COST OF EXTENSION OF MAIN PIPES IN 1968

AREA	District	Street	Size (Inches)	Length (Feet)	Contract Cost	Engineering and Inspection Costs	Total Cost	CONTRACTOR
1	1	Tia Tung Street.....	8	193	—	—	—	Piatelli Construction Company
1	1	Tia Tung Street.....	12	183	—	—	—	Piatelli Construction Company
1	10	Warren Avenue.....	12	309	—	—	—	Garden Villa Construction
1	1	Clearway Street.....	12	135	\$3,874 15	\$193 71	\$4,067 86	R. A. Buccella & Sons
2	4	Soldiers Field Road.....	12	1,187	23,275 60	1,163 78	24,439 38	Main Line Construction, Inc.
2	6	Westgate Road.....	12	935	19,888 25	994 41	20,882 66	R. A. Buccella & Sons
2	6	Sammett Avenue.....	8	507	6,274 50	313 73	6,588 23	Charles & Louis Construction Co., Inc.
2	6	Toppan Avenue.....	8	207	2,519 20	125 96	2,645 16	Charles & Louis Construction Co., Inc.
2	6	Sherbrook Street.....	8	240	1,890 45	94 52	1,984 97	R. A. Buccella & Sons
2	6	Starbird Avenue.....	8	252	1,980 50	59 03	2,039 53	R. A. Buccella & Sons
2	6	Parkside Drive.....	8	91	620 62	31 03	651 65	Main Line Construction, Inc.
2	8	Danny Road.....	8	423	5,314 94	265 75	5,580 69	Charles & Louis Construction Co., Inc.
2	8	Fieldmont Street.....	6	125	1,824 88	91 24	1,916 12	Charles & Louis Construction Co., Inc.
		Totals.....	.....	4,787	\$67,463 09	\$3,333 16	\$70,796 25	

TABLE 5  
METERS IN SERVICE — 1968

MAKE	DIAMETER IN INCHES											Total
	$\frac{5}{8}$	$\frac{3}{4}$	1	1 $\frac{1}{2}$	2	3	4	6	8	10	12	
Hersey.....	61,885	5,100	2,411	1,540	1,043	413	466	123	37	19	17	73,054
Rockwell.....	6,468	20	6	153	58	—	—	—	—	—	—	6,705
American.....	3,396	420	341	240	200	—	—	—	—	—	—	4,597
Watchdog.....	1,895	74	135	390	263	117	41	—	—	—	—	2,915
Arctic.....	—	—	—	10	6	9	—	—	—	—	—	25
Trident.....	—	—	—	—	—	7	10	—	—	—	—	17
Totals.....	73,644	5,614	2,893	2,333	1,570	546	517	123	37	19	17	87,313

TABLE 6  
METERS TAKEN OUT — 1968

MONTH	DIAMETER IN INCHES								Total
	$\frac{5}{8}$	$\frac{3}{4}$	1	1 $\frac{1}{2}$	2	3	4	6	
January.....	386	8	3	3	4	0	0	0	404
February.....	344	10	2	2	0	0	0	0	358
March.....	388	5	3	2	5	0	1	0	404
April.....	366	9	2	6	1	1	2	1	388
May.....	437	2	2	0	0	0	1	0	442
June.....	491	6	6	5	6	1	1	0	516
July.....	547	15	12	4	1	1	1	0	581
August.....	630	10	12	10	4	0	0	0	666
September.....	761	44	17	6	1	1	0	0	830
October.....	529	17	17	7	3	0	1	0	574
November.....	447	14	10	10	9	0	0	0	490
December.....	418	14	8	7	6	0	0	0	453
Totals.....	5,744	154	94	62	40	4	7	1	6,106



TABLE 7  
METERS SET IN 1968

MONTH	DIAMETER IN INCHES								Total
	$\frac{5}{8}$	$\frac{3}{4}$	1	1 $\frac{1}{2}$	2	3	4	6	
January.....	288	8	3	1	4	1	4	0	309
February.....	436	8	6	1	5	0	0	0	456
March.....	714	5	5	3	6	0	0	0	733
April.....	474	6	6	7	1	2	3	0	499
May.....	581	1	0	1	1	1	3	0	588
June.....	530	5	9	2	5	2	1	0	554
July.....	485	8	5	4	0	1	1	0	504
August.....	591	12	12	11	5	0	1	0	632
September.....	775	59	29	21	10	0	1	0	895
October.....	573	45	25	13	18	0	0	0	674
November.....	487	19	11	12	17	0	0	0	546
December.....	325	20	7	11	10	0	0	0	373
Totals.....	6,259	196	118	87	82	7	14	0	6,763

TABLE 8  
CONNECTION PIECES TAKEN OUT — 1968

MONTH	DIAMETER IN INCHES								Total
	$\frac{5}{8}$	$\frac{3}{4}$	1	1 $\frac{1}{2}$	2	3	4	6	
January.....	195	2	1	2	3	0	0	0	203
February.....	106	4	1	0	0	0	0	0	111
March.....	190	5	2	1	2	0	0	0	200
April.....	102	7	2	1	1	0	0	0	113
May.....	70	4	1	0	0	0	0	0	75
June.....	135	5	1	3	1	0	0	0	145
July.....	130	4	1	1	1	0	0	0	137
August.....	75	2	2	1	0	0	0	0	80
September.....	100	4	1	1	1	0	0	0	107
October.....	75	3	2	1	1	0	0	0	82
November.....	55	8	2	5	1	0	0	0	71
December.....	25	4	1	0	0	0	0	0	30
Totals.....	1,258	52	17	16	11	0	0	0	1,354

**TABLE 9**  
**CONNECTION PIECES PUT IN — 1968**

MONTH	DIAMETER IN INCHES								Total
	$\frac{3}{8}$	$\frac{1}{2}$	1	1½	2	3	4	6	
January.....	90	1	2	2	1	0	0	0	96
February.....	80	3	3	2	2	0	0	0	90
March.....	58	4	4	2	1	0	0	0	69
April.....	48	1	2	1	1	0	0	0	53
May.....	44	1	1	1	1	0	0	0	48
June.....	60	1	1	0	1	0	0	0	63
July.....	40	5	2	0	3	0	0	0	50
August.....	30	1	1	0	0	0	0	0	32
September.....	35	1	1	1	0	0	0	0	38
October.....	40	1	1	0	0	0	0	0	42
November.....	30	1	1	1	0	0	0	0	33
December.....	25	2	2	1	0	0	0	0	30
Totals.....	580	22	21	11	10	0	0	0	644

**TABLE 10**  
**REASONS FOR METER CHANGES — 1968**

MONTH	No Force	Non, Reg.	Coupling Leaks	Spindle Leaks	Frozen	New Service	Demo's	Clock Changes	Special Tests	Disc, Service	Special Interior Changes	Total
January.....	50	201	8	9	20	1	82	1	2	20	1	395
February.....	55	142	6	13	15	5	20	2	3	15	4	280
March.....	139	200	6	13	30	15	20	4	3	10	0	440
April.....	112	222	7	10	3	20	22	3	5	6	2	411
May.....	50	270	7	11	2	5	20	4	5	15	3	392
June.....	101	295	1	9	1	6	10	2	3	10	3	441
July.....	120	350	13	22	0	10	15	5	6	8	32	581
August.....	110	372	14	22	0	12	10	6	5	10	21	582
September....	149	598	8	15	0	10	9	3	4	7	2	805
October.....	150	342	1	4	0	11	8	2	5	3	0	526
November.....	148	267	10	13	0	6	3	3	3	3	19	475
December.....	97	200	3	10	0	5	4	3	4	2	15	343
Totals....	1,281	2,459	84	151	71	106	223	38	48	108	102	5,671

TABLE 11

## WATER DIVISION

## FINANCIAL STATEMENT

## Balances from 1967:

Receipts . . . . .	\$173,669 67	
Appropriations . . . . .	228,572 63	
	<hr/>	\$54,902 96

## Receipts:

Water Rates and Services . . . . .	\$9,298,645 76	
Tax Title Water . . . . .	147,326 84	
	<hr/>	9,445,972 60
		<hr/>
		\$9,500,875 56

## Expenditures:

Water Service . . . . .	\$2,837,768 50	
Departmental Equipment . . . . .	241,269 25	
Pensions and Annuities . . . . .	292,701 70	
Collecting Division . . . . .	237,184 00	
Data Processing Unit . . . . .	207,187 00	
Public Works . . . . .	747,013 00	
Pensions, State-Boston . . . . .	119,536 00	
Metropolitan Water Assessment . . . . .	5,348,206 92	
Debt and Interest . . . . .	99,137 50	
	<hr/>	\$10,130,003 87
		<hr/>
		\$629,128 31

## Carried Forward to Water Service

Appropriations . . . . .	285,914 32	
	<hr/>	
Deficit . . . . .	\$915,042 63	

6355.52

ANNUAL REPORT  
OF THE  
PUBLIC WORKS DEPARTMENT  
OF THE  
CITY OF BOSTON

FOR THE YEAR ENDING DECEMBER 31, 1969



HON. KEVIN H. WHITE, *Mayor*

JOSEPH F. CASAZZA, *Commissioner of Public Works*

FREDERICK L. GARVIN, *Engineering Division Engineer*

CHARLES M. MARTELL, *Highway Division Engineer*

JOHN F. FLAHERTY, *Sanitary Division Engineer and  
Deputy Commissioner*

EDWARD G. A. POWERS, *Sewer Division Engineer*

EDWARD J. PINKUL, *Water Division Engineer*



# PUBLIC WORKS DEPARTMENT

## 1969 ANNUAL REPORT

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ANNUAL REPORT  
OF THE  
PUBLIC WORKS DEPARTMENT  
FOR THE YEAR ENDING DECEMBER 31, 1969

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BOSTON, January 2, 1970.

HON. KEVIN H. WHITE,  
*Mayor of Boston.*

DEAR MR. MAYOR:

In compliance with the provisions of section 25 of chapter 3 of the Revised Ordinances of 1961, I respectfully submit the annual report of the Public Works Department.

As required by section 36 of chapter 21 of the Revised Ordinances of 1961, I am also submitting the annual report of the Public Improvement Commission.

Because the workings of the department are such that its every move is in the public eye, it is imperative that this department operate as economically and efficiently as possible. The operation of the department is through a Central Office and five divisions. Each division is in charge of a Division Engineer, who is an expert in his particular field. The following are the functions of the Public Works Department: the construction, reconstruction of highways and sidewalks, street lighting, snow removal, sewerage and drainage construction and maintenance, distribution of potable water and the maintenance of necessary components, sanitation, street cleaning, removal and disposal of refuse and garbage, incineration,

and the cleaning of catch basins. The engineering requirements to carry on the above programs are by departmental employees, assisted by contract experts.

Delegation of authority within the department is as follows:

#### CENTRAL OFFICE

There are four sections in the Central Office — an Administrative Branch, a Maintenance Branch, and a Permit Branch.

The Administrative Branch processes purchase and supply requisitions, service orders, payrolls, personnel requisitions, transfers, promotions, and terminations.

The Maintenance Branch was established February 8, 1960, by the consolidation of the Automotive Section and the Repair Shop, formerly in the Sanitary Division. This branch is responsible for the care, control, and maintenance of departmental vehicles. It is also in charge of the public utility facilities in the various yards and serves as a housekeeping unit.

#### COMMUNICATION CENTER

The department maintains a Communication Center consisting of a main base station radio, linkage by closed circuit teletype system with ten highway yards, and the central snow removal office at City Hall. Departmental mobile units are radio equipped.

During the year automotive equipment amounting to an expenditure of \$368,288.97 was purchased for the department.

#### CONTRACT SECTION

One of the more important functions of the Administrative branch is the Contract Section. Here approximately 130 contracts involving all facets of public works are processed. The volume of these contracts amounts to expenditures of about \$16,000,000 per annum. The work is extremely technical as there must be strict compliance with the general laws, ordinances, and special laws pertaining to the city. Upon execution of contracts, copies of periodical estimates, extensions of time, and extra work orders are processed and filed.

## FISCAL

There was carried over from 1968 the amount of \$11,778,412. Appropriations for 1969 amounted to \$26,573,038. Revenue received amounted to \$12,439,056, making the amount available \$50,790,506. A total of \$554,072 was transferred to other departments, leaving a balance of \$50,236,434.

Expenditures amounted to \$39,501,405, leaving an unexpended balance of \$10,735,089 and unliquidated encumbrance and carry forward of \$6,895,250, and a net unencumbered balance of \$3,839,839.

The Water Division operated with a deficit of \$2,223,606 and the Sewer Division operated with a deficit of \$1,086,672.

Revenue from the sale of water amounted to \$8,922,220 and expenditures amounted to \$10,817,736.

The sewer deficit is quite serious. The metropolitan assessment has been reduced by 52 percent until the Boston main drainage system is connected to the metropolitan system.

There was available for snow removal the sum of \$2,375,000 as a 1969 appropriation. Expenditures amounted to \$2,302,977.

Loans were authorized in 1969 for the following amounts: public ways loan — \$4,000,000, sewerage loan — \$1,500,000, bridge loan — \$2,000,000.

The public ways loan of \$4,000,000 was augmented by \$2,412,475 carried forward plus Chapter 90 revenue of \$249,071 for a total of \$6,661,546. Expenditures amounted to \$2,980,910, encumbered contracts carried forward to 1970 were \$2,289,856, and the unencumbered balance was \$1,390,840.

The sewerage loan of \$1,500,000 was augmented by \$1,982,105, carried forward for a total of \$3,482,105. Expenditures were \$1,497,253, encumbered contracts carried forward to 1970 were \$956,021, and the unencumbered balance was \$1,028,831.

The bridge loan of \$2,000,000 was augmented by a carry forward of \$777,552 for a total of \$2,777,552. Expenditures amounted to \$501,603, contracts carried forward to 1970 were \$322,246, leaving an unencumbered balance of \$1,953,603.

The amount of \$1,523,519 was brought forward from 1968 sidewalk loan. Expenditures amounted to \$476,173, encumbered contracts carried forward were \$288,867, leaving unencumbered balance of \$758,479.

The amount of \$2,300,000 was brought forward from the 1968 water main loan. Expenditures amounted to \$459,205, encumbered contracts amounted to \$1,082,494, leaving an unencumbered balance of \$758,301.

Funds were available under the several accelerated highway programs created by chapter 782 of 1962, chapter 882 of 1963, chapter 679 of 1965, and 616 of 1966.

Chapters 782, 822, and 679 had balances respectively of \$21,540, \$56,519, and \$161,281 with no expenditures in 1969. Chapter 616 had \$1,122,141 available with expenditures of \$820,907, encumbered contracts of \$298,724, and an unencumbered balance of \$2,510.

A summary of 1969 appropriations, expenditures, etc. is included in the statistical data appended to this report.

Respectfully submitted,

JOSEPH F. CASAZZA,  
*Commissioner of Public Works.*

## ENGINEERING DIVISION

The annual report of the Engineering Division of the City of Boston Public Works Department for the year 1969 rounds out a decade of such reports which began when this division was originated as part of the reorganization of the department in 1960.

A review of the amount and dollar value of the highway, sewer, and water projects advertised during the year shows a fairly close total, money-wise, compared to the two previous years, but the amount accomplished as being substantially less. This clearly reflects the very sharp increased cost of producing public works projects and is pinpointed by examining the contract bid prices on individual items. These have averaged a 10 percent increase in highway work and over 20 percent in sewer and water work over the short space of one year.

A special effort was made last year to get out contracts for a substantial number of sidewalk improvements of streets which had good roadways but poor sidewalks.

Following is a listing of certain items of more than routine interest:

1. The completion of the brick sidewalk-gaslit Charles Street, City Proper project, from Beacon Street to the Charles Street Circle. This work, which had its start late in 1968, has emphasized and enhanced the colonial charm of the area.

2. The start of the reconstruction of roadways and relocation of MBTA reservation in Commonwealth Avenue, Brighton, between Chestnut Hill Avenue and Newton which, upon completion, will provide an inbound roadway separated from the outbound roadway by the relocated reservation, and will complete the divided highway design of Commonwealth Avenue.

3. Concurrent with the near completion of the Copley Square Mall and fountain area the work of installing the specially designed and lighted periphery sidewalk area was accomplished.

4. In the new food market area adjacent to Southampton Street, enough sewer and water roadway activities were completed to allow the occupation of the new buildings to take place and the polishing off of these public works items is scheduled for early spring.



5. Completion of layouts for a new west boundary service road off Washington Street, West Roxbury, was accomplished, Metropolitan District Commission approval of plans was given, and public hearings for this service road to the adjacent new residential areas will follow early in 1970.

6. Finally, the Code-Enforcement Community Public Improvement program was resurrected, replanned, and a firm program for 1970 established through the combined liaison of the Public Works, Fire, Traffic, and Police Department — all working in coordination with the Housing Inspection Department.

### SUMMARY

During 1969 the following projects were originated, surveyed, designed, estimated and advertised. In areas not connected with urban renewal these projects were developed entirely within the division whereas the urban renewal projects were mainly prepared by consultants working for the department with the function of this division relative to this phase of the work being limited to outlining, reviewing, supervising, and approving their work.

#### (A) In areas not connected with urban renewal

	Low Bid
(1) Street reconstruction (7.9 miles) . . . . .	\$1,127,752
(1A) Street lighting . . . . .	79,595
(2) Chapter 90 street reconstruction (2.6 miles) . . . . .	775,273
(3) New street construction (2.4 miles) . . . . .	680,863
(4) Sidewalk reconstruction (9.0 miles) . . . . .	728,277
(5) Sewer and water construction and reconstruction . . . . .	702,460
(6) Water (emergency excavation) . . . . .	230,000
	<hr/>
	\$4,324,220

#### (B) In urban renewal areas (but advertised by Public Works Department)

(1) Sewer and water construction (in Washington Park and Government Center) . . . . .	\$722,095
(2) Street construction/reconstruction (in Washington Park) . . . . .	867,677
	<hr/>
	\$1,589,772

Total (A) . . . . .	\$4,324,220
Total (B) . . . . .	1,589,772

Grand Total . . . . . \$5,913,992

Following are the detailed reports from the Administrative, Planning and Programming, Survey, Design, and Records Sections of this division.

## ADMINISTRATIVE SECTION

The Administrative Section under the direction of the Division Engineer and the supervision of the Administrative Assistant performed the required administrative and clerical functions of the division.

Processed and maintained division records pertaining to personnel, correspondence, indexing, filing, etc. Also typed, proofread, and collated stencils for contract books for all divisions of the department. Typed annual and other reports. Supervised all mimeographing of stencil work for the department. In addition indexed and processed 120 plot plans which were forwarded by the Building Department for our review before they granted permits for construction.

Also processed contract payments to various consulting firms for work in Washington Park, Government Center, the west boundary service road and Foodmart Road.

In addition the head of this section computed all betterments and assessments required for roadways, sidewalks, and sewers in the city. There were approximately 700 parcels of this nature. The Administrative Assistant also assisted the Division Engineer at Public Improvement Commission hearings, and in all cases of appeals for abatements of betterments or assessments he reviewed the merits of the appeals and made reports relative to these to the Division Engineer for submittal to the Public Improvement Commission.

## ENGINEERING RECORD SECTION

During 1969 this section furnished street line information, grade information, and plan information on approximately 2,000 streets to engineers, surveyors, lawyers, and the general public.

Furnished information to various departments and agencies, including the Highway, Sewer, and Water Divisions of the Public Works Department. Also, to the Law. Police, and Fire Departments, the Boston City Hospital, the Building Department, the Assessor's office, the Mayor's office, the United States Coast and Geodetic Survey, the Attorney General's office, the Port Authority, Suffolk County Registry of Deeds, MBTA, Long Island Hospital, Real Property Department, MDC,

Commonwealth of Massachusetts, Public Works Department, and Commonwealth of Massachusetts ABC Commission.

Checked Commonwealth of Massachusetts Land Court Plans for the Land Court.

Responded to subpoenas to furnish plans and other information to the Federal and Suffolk County Courts.

The work of the Reproduction Unit of this section was as follows:

DEPARTMENT PUBLIC WORKS	Photostat	Ozalide	Sepias
Engineering Division . . . . .	325	12,335	77
Central Office . . . . .	44	420	
Highway Division . . . . .	26	531	
Permit Division . . . . .	18	212	
Sanitary Division . . . . .	22	193	
Sewer Division . . . . .	181	645	
Street Lighting Division . . . . .	12	214	
Walter Division . . . . .	46	2,365	
Auditor's Office . . . . .	52	—	
Real Property . . . . .	88	1,244	
White Fund . . . . .	32	38	
Traffic and Parking . . . . .	60	2,142	
Administrative Services . . . . .	38	114	
Assessing . . . . .	48	1,364	
Building . . . . .	38	560	
City Clerk . . . . .	14	28	
City Council . . . . .	92	146	
Election . . . . .	26	—	
Law . . . . .	12	27	
Park . . . . .	16	72	
Penal . . . . .	—	84	
Public Buildings . . . . .	—	42	
Totals .. .. .	1,190	22,776	77

## PLANNING AND PROGRAMMING

All 1969 projects for street, sewer, and water works, etc. were screened for possible clashing or overlapping with plans for urban renewal, State Expressway, MBTA, and other public and private projects of proposed construction.

For the year 1969, public works amounting to \$12,500,000 were checked for feasibility and were programmed by this section. These projects included 1.5 miles of new street construction, 28 miles of street reconstruction, 13 miles of sewer construction, and 1 mile of water mains. Approximately only one-half of this planned amount was advertised because of limitations of money and manpower.

In addition to above listed normal activities, this section worked closely with the BRA in reviewing, and supervising reviewing by other sections of the department, approximately \$4,000,000 of proposed BRA projects involving highway, sewer, and water works.

All public works contracts in Washington Park and sewer and water contracts in Government Center were under the direct control and supervision of the Public Works Department, and in these two project areas a total of approximately \$1,600,000 was advertised.

Other duties included the reviewing of:

1. One hundred plot plans which we had to approve for line and grade and utility availability before the Building Department would grant permits.
2. Ten approval plans submitted by developers for proposed new "minimum pavement" streets.
3. Forty-one plans of proposed commercial driveway openings in public sidewalks.

## SURVEY SECTION

The Survey Section of the Engineering Division, under the direction of the Associate Civil Engineer, originated all field engineering surveys and related activities required for the determination and recording of engineering data, measurements, calculations, sketches, and other information needed in connection with:

- (a) The laying out, locating, relocating, design and construction, reconstruction, alteration or discontinuance

of streets and street improvements, including sidewalks, bridges, storm drains, sewer, water, and other related facilities in the City of Boston.

(b) Special survey requirements of the City of Boston in general, including the acquisition by the city of land by eminent domain; the taking of easements; the construction of municipal buildings and structures; the inter-departmental transfer, sale or development of city-owned land; and the furnishing of survey and engineering data in matters of concern to the City of Boston as required or related to construction programs and other activities under the jurisdiction of other municipal, state, federal or private agencies or authorities — including services to consultants or contractors engaged by these agencies or authorities.

## HIGHWAY DIVISION

The Highway Division is charged with the responsibility of construction, reconstruction, care, control, and maintenance of all highways; the street cleaning activities of the city; the construction and care and maintenance of bridges; and the street lighting program. Supervision of snow removal is also a function of this division.

The method of financing the highway construction program is diversified. Funds for the so-called "Chapter 90" program are obtained in part from the proceeds of the fees from which the commonwealth's highway fund is composed. This work is under the direction and control of the State Department of Public Works, with the highways remaining city streets after completion of the contracts. In 1969, the sum of \$249,071 was contributed by the state and a like amount was contributed by Boston for the "Chapter 90" program.

The so-called "393 streets" are highways constructed under the basic highway statute (chapter 393 of the Acts of 1906), as most recently amended. Funds for this program and the construction of stone, block, brick, cement concrete, bituminous concrete, bituminous macadam, or other permanent pavement of similar lasting character, are obtained by the issuance of a public ways loan under authority of chapter 44, section 7, paragraph 5, of the



General Laws, augmented by several accelerated highway acts, which provide funds to the cities and towns for use under the terms set forth above under chapter 44, section 7, paragraph 5.

In 1969, expenditures under the public ways loan amounted to \$2,980,910. Accelerated highway act of 1967 was \$820,907. Under the bridge loan there was an expenditure of \$501,603. Under the sidewalk loan there was an expenditure of \$476,173.

The sum of \$2,302,977 was expended for snow removal.

## SANITARY DIVISION

### ADMINISTRATIVE SECTION

#### *Program 1 — Administration*

The activities of the Administrative Section comprised supervising the various functions and operations of the division, the preparation of all contracts, the processing of payments, the processing of reports, correspondence, violation notices and complaints (complaints were written, telephoned and in person), the compilation of inspectors' reports and daily reports on the Collection and Disposal Sections' performances, investigating and processing applications for permits for the transportation of refuse, the preparation of the budget, and the supervision of the Snow Emergency Center.

### COLLECTION SECTION

#### *Program 2 — Refuse Collection Contracts*

The city exercised its first option in accordance with article 17 of the publicly advertised refuse collection contracts which provided for renewal of contracts effective April 1, 1969. Contracts were renewed with the same refuse collection contractors. Under these contracts the city absorbed 75 percent of the 25 cents per hour wage increase plus 5 cents per hour in health and welfare contributions granted to the drivers and helpers starting April 1, 1969. This increased payment to the contractors costs approximately \$93,850 for the remainder of the year. The total expenditure in 1969 for refuse collection contracts amounted to \$4,325,244. A total of 308,470 tons of refuse was collected during the year.



*Program 3 — Lot Cleaning*

The lot cleaning crew was organized in 1967 for the cleaning of vacant lots throughout the city. All littered vacant lots in the city were cleaned at least once and many lots were cleaned several times during the year for a total of 4,245 lots. Of these, 110 were requested by the Office of Public Service.

*Program 4 — Alley Cleaning*

The alley cleaning program in the South End and Lower Roxbury Districts was continued during the year, and is responsible for keeping the littering of these alleys within reasonable bounds. Approximately 2,766 tons of debris and garbage were removed from the alleys during 1969.

*Program 5 — Litter Baskets*

Three hundred pole type baskets requisitioned in April of 1968 to replace badly damaged and pilfered baskets were not delivered until October 22, 1969. Consequently very few pole baskets were installed at new locations. Over 850 pole type baskets are located throughout the city, principally where there are accumulations of pedestrian litter. All baskets were emptied by the refuse collection contractors on Mondays except in the Boston Proper District where they were emptied on the regular collection days. A departmental night litter basket detail emptied every basket nightly, Tuesday through Saturday. This crew is under the supervision of an inspector who also directs the pickup of dead animals.

*Program 6 — Market Cleaning*

Under this program, the division provides two packer-type trucks on Fridays and Saturdays servicing pushcart peddlers and storekeepers in the Market Area in the vicinity of Blackstone Street, removing approximately 2,300 tons of refuse during the year and depositing it at the South Bay incinerator.

*Program 7 — Abandoned Vehicles*

The abandoning of automobiles in the city has been reduced considerably. The new shredding plant in

Everett plus the increased price of scrap iron contributed greatly to the reduction in the number of cars and the cost for the removal and disposal of derelict vehicles. Many abandoned cars continue to be removed from the street by persons unknown probably because a profit can now be made in their disposal. Some junk dealers are evidently increasing their business by taking these vehicles from streets and vacant lots. A total of 436 vehicles were removed including 191 vehicles removed by contract at a cost of \$776.

### *Program 8 — Cleanup Campaign*

The Spring Cleanup Campaign was conducted in the spring of 1969. The liaison between the department and the various civic groups was maintained by personnel from the Mayor's Office of Public Service. Hundreds of tons of debris (placed on the sidewalk by residents conducting basement, attic and backyard clean outs) were removed by the contractors and by the division's labor forces. One hundred forty-five large 25-cubic-yard containers and nine smaller 8-cubic-yard containers were placed in various locations designated by civic organizations for use in the local cleanup efforts. The providing and servicing of these containers was done under contract.

### *Program 9 — Enforcement and Education*

The uniformed sanitation inspectors continued ringing doorbells and notifying violators of the barrel ordinance to supply the required number of receptacles to provide for the maximum amount of refuse generated at their addresses.

To supplement the work of the uniformed sanitation inspectors we used the slogan, "Litter Costs You Money — Think About It" in the spring anti-litter campaign. All departmental vehicles were posted on both sides with signs featuring this motif.

Over 9,800 violation notices were issued by these inspectors and the results of their efforts were readily evident in the areas in which they worked by the reduction of litter and the increase in the number of new barrels.

## DISPOSAL SECTION

*Program 10 — South Bay Incinerator*

The South Bay incinerator received and disposed of a total of 137,138 tons of refuse during the year.

Maintenance work performed under contract is listed below as follows:

- (1) Installed new instrumentation.
- (2) Reactivated fly ash arrestor system, to make tests for consulting engineers, Metcalf & Eddy.
- (3) Installed diesel fuel pump to supply diesel equipment.
- (4) Changed fire lines at westerly end of building and easterly end of dumping floor to prevent freezing.
- (5) Installed new electrical ground detection system to prevent motor burn-outs on the cranes.
- (6) Installed temporary door to machinery tunnel to control dust.
- (7) Changed floor drain system on the dumping floor.

In September it was decided to attempt once more to reactivate the fly ash control and removal apparatus installed during construction of the South Bay incinerator. Operation of this apparatus was terminated during the first year of plant operation because the loss of draft when operating slowed down the refuse burning rate and caused excessive smoking on the stoking and charging floors. Over the past nine years attempts were made to operate this equipment but always with the same negative results.

This attempt was made for two reasons. First, the Public Works Department has received several notices during September and October, 1969, from the Metropolitan Air Pollution Control District citing violations of their Regulation 6 which sets up the limits of density of smoke allowed as measured by the Ringleman Chart. The State Department of Public Health held a hearing on October 15, 1969, and on October 20, 1969, issued an order to the City of Boston to stop violation of Regulation 6. The Boston Air Pollution Control Commission also requested reactivating this apparatus. Second, the engineering firm of Metcalf & Eddy (designers of the

plant) have been engaged by the Public Facilities Department to make a study and submit a report with recommendations as to the fly ash problem at the incinerator and to propose some alternative solutions. It was deemed advisable that as part of this study we determine the present status of the equipment. No report was received prior to December 31, 1969.

Steam generated from the burning of refuse was used for providing heat and hot water in the incinerator building.

#### *Program 11 — Gardner Street Sanitary Landfill*

A total of 194,477 tons of rubbish was received and disposed of at the site during the year. There were 144,268 tons of cover material purchased from a contractor who trucked it to the dump site where it was used to cover the initial layer of incinerator residue (74,313 tons) completing the program of a sanitary landfill operation.

A publicly advertised contract was awarded to the low bidder Sylvester Ray, Inc. for relocating Brook Farm Brook westerly of its original course in a location abutting the westerly bounds of the city-owned property. A gravel access road was constructed paralleling the brook course and the total cost of the work was \$86,036. Relocating this brook will provide us with dumping capacity for approximately two years in the valley of the former brook course.

The capacity of the existing landfill is approaching exhaustion and the need for an alternate disposal facility is urgent. We have requested the State Department of Public Works to provide under chapter 834, Acts of 1969, a solid waste disposal facility that can be used by the City of Boston. Also, we are making preparations to discuss with two cemetery associations, who own marsh land adjacent to our present landfill, the possibility of arriving at an agreement for the placing of rubbish fill on those marsh lands.

#### *Program 12 — Garbage Disposal*

The city exercised its first option renewal of the contracts with Kristoff Brothers for removing garbage delivered to the Victory Road Transfer Station and with Kennedy Brothers for removing garbage delivered to the



Gardner Street Transfer Station commencing on April 1, 1969, at a price of \$1,300 per month for each contract. Approximately 4,700 tons of garbage were transferred at Gardner Street and 2,690 tons at Victory Road.

*Program 13 — Snow Removal*

The Snow Emergency Center finished its eighth season of operation at the Civil Defense Office located in the Fire Department Headquarters building during the winter of 1968-1969 under the direction of the Deputy Commissioner. The Sanitary Division continued to supply personnel that were the backbone of this operation. The assignment of sanding and snowplowing in the Main Routes 3 District was capably handled by Sanitary Division personnel.

## SEWER DIVISION

The Sewer Division is composed of three sections; Administrative, Maintenance, and Construction, under the direction of a Division Engineer.

*The Administrative Section*, under the direction of an Administrative Assistant, is responsible for the preparation of budgetary requirements; maintenance of time records of personnel; presenting receiving notices and warrants for service orders and purchase requirements to the Central Office of the department for processing; all correspondence received in, and emanating from, the division; processing of estimates for payment of contract work; keeping records pertaining to the sewerage works loan account; furnishing information relative to department policy as determined by directives, orders and ordinances; and processing of abatements in connection with the sewer use charge.

*The Maintenance Section*, under the direction of an Associate Engineer, is responsible for the cleaning of catch basins, drop inlets, sewers and sewer appurtenances; answering and investigating complaints relating to sewerage works; maintaining and repairing sewers; inspecting the laying of drains; operation of sewer pumping stations and disposal plant; recording complaints relating to sewerage works; recording sewer inspections; keeping record plans of the entire sewerage system; and

furnishing information to the public. On April 30, 1969, the cleaning of catch basins and drop inlets was returned to the jurisdiction of the Sewer Division where it had existed prior to June 1, 1960 when this function was transferred to the Highway Division.

*The Construction Section*, under the direction of an Associate Engineer, is responsible for the entire building operations of sewerage works under contracts, from the field layouts through the final inspections; preparation of estimates for payment on all work performed under sewerage works contracts; and furnishing record plans of sewerage works to the Maintenance Section for updating its sectional plans.

With the completion of the MDC Columbus Park Headworks on February 2, 1968, it was expected that the Calf Pasture Pumping Station would be phased out of operation. However, it became apparent that until further steps were taken by the MDC to accommodate the entire flow of Boston's sewage, or unless the MDC took over the operation of the Calf Pasture Pumping Station, the station would still have to be maintained by the City of Boston as an operating facility for several more years.

On June 30, 1969, Edward G. A. Powers retired as Division Engineer of the Sewer Division, in which capacity he had served for ten and a half years of his thirty-nine and a half years total city service.

## WATER DIVISION

The year 1969 saw the termination of service of three veteran employees. Water Division Engineer, Edward J. Pinkul, retired after more than forty years service; Superintendent of Water Distribution, George S. Ryan and Water Revenue Supervisor, John F. Santino, died. The vacancies created in their positions were filled respectively by John P. Sullivan, Associate Civil Engineer, Albert P. McCann, Assistant Superintendent of Water Distribution, and Francis J. Bradley, Administrative Assistant.

All pipes and appurtenances for supplying potable water to the city are under the control, care and maintenance of this division. Also provided by the Water Division is the water to the two high pressure pumping



stations operated by the Fire Department for fire protection in the central business section of the city. The Metropolitan District Commission supplies water to the Boston city line and charges one hundred and twenty dollars per million gallons of water sold to its members. Boston's requirements for water in 1969 were 136,911,900 gallons of water per day or 222 gallons per capita.

### CONSTRUCTION SECTION

The Construction Section consists of one Senior Civil Engineer, one Junior Civil Engineer, one Senior Engineering Aid (temporary), one Senior Engineering Aid, one Junior Engineering Aid, seven Water Service Inspectors and one Head Clerk. One Principal Civil Engineer is required to supervise this section.

The following work was accomplished during the year: 291 new domestic services were made; 51 new fire pipes connected; 137 hydrants established; 86 changed; and 66 abandoned for a net increase of 71 hydrants.

During 1969, a total of 24,734 linear feet of main pipe was laid or relaid, varying in size from 4 inches to 16 inches. The areas in which main pipes were laid or relaid are subdivided into districts as follows:

AREA I	Extension Linear Feet	Relaid Linear Feet	Abandoned Linear Feet
City Proper . . . . .	509	1,039	1,039
Roxbury . . . . .	0	11,931	11,220
East Boston . . . . .	0	0	0
Charlestown . . . . .	0	0	0
AREA II			
West Roxbury . . . . .	3,773	1,690	1,690
Hyde Park . . . . .	3,065	448	448
Brighton . . . . .	0	365	350
AREA III			
Dorchester . . . . .	0	3,603	5,543
South Boston . . . . .	0	105	105

## SUMMATION

System relaid 4.7 miles and extended 1.4 miles of pipe; it established 137 new hydrants, abandoned 66 hydrants for an increase of 71 hydrants. The Water Division replaces 50 or more old and/or defective hydrants, under contract, each year.

## MAINTENANCE SECTION

The Water Division Engineer is currently directing the Maintenance Section which consists of one Junior Engineering Aid (temporary), one Senior Clerk-Stenographer, one Principal Clerk, and, with the aid of the personnel of the Construction Section, assisted in supplying official information to the public concerning all hydraulic problems, main pipe and service pipe locations; processed applications for new or enlarged domestic and fire services; maintained official records, plans, and pressure charts, and generally supervised the three Water Division yards. An Associate Civil Engineer and Senior Civil Engineer are required to assume supervision of this section.

## MAIN PROJECTS

The Water Division executed a contract for the construction of a 36-inch trunk water main in Dorchester. A federal grant from the Department of Housing and Urban Development in the amount of \$405,300 will be applied to this project. The construction of the trunk main will begin in January of 1970.

In 1969, contracts were awarded for the purchase of 3,676 water meters in various sizes. The Water Division set more than 6,000 water meters in 1969.

There were 27,750 linear feet of water mains (8-inch, 12-inch, 16-inch and 24-inch) cleaned and cement-lined in Charlestown under a contract with the Boston Redevelopment Authority. The entire distribution system in Charlestown has now been cleaned and cement-lined.

The laying of 1,809 feet of 4-inch steel pipe in the Gardner Street Dump, West Roxbury, was completed.

*Area Yards*

AREA I — 710 Albany Street, Boston

Services: Charlestown, North and West Ends, Back Bay, Stuart, South End, East Boston, Elm Hill, Dudley, Mission Hill and Roxbury

AREA II — 327 Forest Hills Street, Jamaica Plain

Services: Jamaica Plain, Brighton, West Roxbury and Hyde Park

AREA III — 160 Hancock Street, Dorchester

Services: Dorchester and South Boston

These yards are responsible for the repair and maintenance of main pipes, services and fire pipes, hydrants, gates, and providing emergency and general service to the public. The main yard at 710 Albany Street maintains emergency crews around the clock for any water service that may be required in any section of the city.

The main yard and two area yards were assisted by three contractors. The contractual work consisted of excavation and backfilling to allow Water Division employees to repair leaks, lay or relay water services, change hydrants and repair or replace defective appurtenances.

The maintenance shops handled all drilling of services in the main yard and assisted, in case of emergency, in the area yards. These shops repair defective hydrants, defective gates (in the ground, if possible) and rebuild corporation, tapping, and high pressure gates. Along with this work, the maintenance shops render assistance to other branches of the Public Works Department in many special jobs. The meter shop installs new meters, changes worn and defective meters, tests and repairs water meters, and maintains records of all meters in and out of service. More than forty-three hundred water meters in various sizes were installed by the meter shop during 1969, replacing connection pieces, non-registering water meters, and to meter new accounts.

#### ADMINISTRATIVE SECTION

All of the important clerical and administrative functions of the Water Division are performed by the Administrative Section. This section assists the Division

Engineer in the preparation of annual budget estimates and requests, and prepares overtime authorization and furnishes information to the public regarding this Division's activities and regulations. The Administrative Section is currently supervised by the Water Revenue Supervisor and is staffed by two Principal Clerks and Stenographers, one Senior Clerk and Stenographer and two Senior Clerk Typists. An Administrative Assistant is required to assume supervision of this section.

### REVENUE SECTION

All functions in relation to the revenue from water supply and service are the responsibility of this office. These functions include the processing of applications for new services and fire pipes, the reading of more than 93,000 accounts quarterly and or semi-annually, requesting the testing, installation or removal of meters, and the handling of complaints or inquiries concerning charges rendered. Water Division gross receipts amounted to \$9,023,621.68 in 1969.

Employees of the Revenue Section answer inquiries from the public regarding the sewer use charge.

The Revenue Section processes and resolves all petitions for abatement, including those petitions for abatement of the sewer use charge, when said charge is directly related to water consumption. Sewer use charge petitions, when of a technical nature, are resolved by the Sewer Division. The number of partial abatements of metered water rates granted in 1969 was 721 amounting to \$191,369.40.

### MDC WATER ASSESSMENT

The Metropolitan District Commission's water assessment for 1969 will amount to \$5,996,742.12 for 49,972,-851,000 gallons of water, at the rate of one hundred and twenty dollars per million gallons.

### EMPLOYEES

The number of permanent employees with the Water Division on December 31, 1969, was 262 as compared to a total of 275 on December 31, 1968.

Domestic Service Applications . . . . .	291
Fire Pipe Applications . . . . .	51
Special Meter Tests . . . . .	91
Hydrant Permits Issued . . . . .	49
Repair Deposits Received . . . . .	90
Shutting Off and Turning On Water:	
Shut-offs for Repairs . . . . .	2,530
Turned on after Repairs . . . . .	1,651
Shut-off for Vacancy . . . . .	116
Turned on for Occupancy . . . . .	11
Shut-off for Non-payment . . . . .	0
Turned on after Non-payment . . . . .	0
Shut-off for Waste . . . . .	1
Turned on after Waste . . . . .	0
New Service Pipes Turned On . . . . .	306
New Fire Pipes Turned On . . . . .	39



ANNUAL REPORT  
OF THE  
PUBLIC IMPROVEMENT COMMISSION  
FOR THE YEAR ENDING DECEMBER 31, 1969

January 2, 1970.

HONORABLE KEVIN H. WHITE,  
*Mayor of Boston.*

*Through the Commissioner of Public Works.*

DEAR MR. MAYOR:

In accordance with the provisions of section 36, chapter 21, of the Revised City Ordinances of 1961, the following report of the Public Improvement Commission for the year ending December 31, 1969, is respectfully submitted.

LAYOUTS WITH CONSTRUCTION

The following streets were ordered laid out and constructed as public ways during the year 1969:

Beechmont Terrace, Hyde Park District, from Beechmont Street approximately 600 feet northeasterly and northwesterly. Length, 600 feet; estimated cost, \$28,580; estimated benefit, \$14,693.92.

Bradlee Court, Hyde Park District, from Bradlee Street approximately 235 feet easterly. Length, 235 feet; estimated cost, \$8,602; estimated benefit, \$4,303.

Braewood Street, Hyde Park District, from Braeburn Road to Austin Street. Length, 415 feet; estimated cost, \$16,134; estimated benefit, \$8,067.

Cowing Street, West Roxbury District, from Spinney Street to Franclaire Drive. Length, 380 feet; estimated cost, \$21,074; estimated benefit, \$12,135.54.

Crosstown Avenue, West Roxbury District, from Salman Street to Vogel Street. Length, 283 feet; estimated cost, \$9,018; estimated benefit, \$4,509.

Dewar Street, Dorchester, from Aukland Street approximately 480 feet easterly. Length, 480 feet.

Ellswood Street, West Roxbury District, from Baker Street approximately 270 feet westerly. Length, 270 feet; estimated cost, \$14,584; estimated benefit, \$7,292.

Farrin Street (formerly Farrington Street), Hyde Park District, from Chesterfield Street approximately 240 feet southwesterly. Length, 240 feet; estimated cost, \$10,723; estimated benefit, \$5,363.



Menton Street, Dorchester District, from Standard Street to Groveland Street. Length, 311 feet; estimated cost, \$16,234; estimated benefit, \$8,116.

Morrell Street (formerly Moreland Street), West Roxbury District, from Belle Avenue to Laurie Avenue. Length, 430 feet; estimated cost, \$14,268; estimated benefit, \$7,134.

New Rutherford Avenue, Charlestown District, from existing Rutherford Avenue at a point approximately 115 feet south of the southerly line of Dunstable Street approximately 2,345 feet southeasterly to Mason Street, over portions of Chapman, Austin, Washington, Lynde, and Front Streets. Length, 2,345 feet.

Old Ironsides Way, Charlestown District, from Medford Street approximately 300 feet northerly, 370 feet easterly, and 320 feet southerly to Medford Street. Length, 990 feet.

Old Landing Way, Charlestown District, from Medford Street approximately 290 feet northerly, 315 feet easterly, and 190 feet southerly to Medford Street. Length, 795 feet.

Organ Park Street, West Roxbury District, from Catherine Street approximately 295 feet southerly and southeasterly. Length, 295 feet; estimated cost, \$11,882; estimated benefit, \$6,252.

Potomac Street, West Roxbury District, from Jennett Avenue approximately 250 feet southwesterly. Length, 250 feet; estimated cost, \$12,452; estimated benefit, \$6,227.

Public Alley 802, Boston Proper District, from Camden Street to Northampton Street. Length, 223 feet.

Raynes Road, Hyde Park District, from Prospect Street approximately 225 feet southeasterly. Length, 225 feet; estimated cost, \$7,562; estimated benefit, \$3,784.

Sammett Avenue, West Roxbury District, from Toppan Avenue approximately 290 feet northerly and 260 feet southerly. Length, 550 feet; estimated cost, \$23,828; estimated benefit, \$15,760.66.

School Street, Charlestown District, extended from Main Street to New Rutherford Avenue, partly over portions of existing Rutherford Avenue, Lawrence Street, and Mills Street.

Toppan Avenue, West Roxbury District, from Charme Avenue to Sammett Avenue. Length, 190 feet; estimated cost, \$9,490; estimated benefit, \$898.34.

#### LAYOUTS WITHOUT CONSTRUCTION

The following streets were ordered laid out *without construction* as public ways during the year 1969:

Amy Court, Boston Proper District, from Martha Road approximately 110 feet southerly. Length, 110 feet.

Thoreau Path, Boston Proper District, from the end of the existing public footway approximately 950 feet easterly to William Cardinal O'Connell Way. Length, 950 feet.

## WIDENINGS

Corey Road, Brighton District, at the westerly corner of Washington Street.

Dedham Street, Hyde Park District, at both corners of Reservation Road.

Fairmount Street, Dorchester District, at the southeasterly and southwesterly corners of Capen Street.

Garfield Avenue, Hyde Park District, at the northerly corner of Loring Street.

Harold Street, Roxbury District, at the southeasterly and northwesterly corners of Townsend Street

Harrishof Street, Roxbury District, at the southeasterly corner of Walnut Avenue.

Norton Street, Hyde Park District, at the westerly corner of Edson Street, and on the northerly side from a point approximately 55 feet of Imbaro Road to a point approximately 51 feet easterly.

Walnut Avenue, Roxbury District, from a point approximately 190 feet northeast of Elmore Street to approximately 115 feet northeasterly.

## WIDENINGS AND RELOCATIONS

Austin Street, Charlestown District, on the northerly side from New Rutherford Avenue to Main Street, over portions of existing Rutherford Avenue and Lawrence Street; and on the southerly side, from New Rutherford Avenue to approximately 185 feet easterly, partly over a portion of Washington Street.

Franklin Avenue, Boston Proper District, on the westerly side, from Court Street approximately 120 feet northerly.

Front Street, Charlestown District, on the northerly side, from New Rutherford Avenue to and over a portion of Mason Street.

Harold Park, Roxbury District, from Harold Street to Washington Park Boulevard (now Martin Luther King, Jr., Boulevard).

Medford Street, Charlestown District, on the northerly side, from a point approximately 230 feet southeast of Monument Street approximately 215 feet southeasterly.

Public Alley 804, Boston Proper District, from Northampton Street to Northampton Street, over a portion of Public Alley 803.

Rutherford Avenue, Charlestown District, on the north-easterly side, from Mill Street approximately 1,240 feet south-easterly to New Rutherford Avenue, over portions of Tibbets Town Way, South Eden Street, Lincoln Street, Frothingham Avenue, and Dunstable Street; and on the southerly side, from the westerly line of Mason Street over a portion of Mason Street to City Square.

State Street, Boston Proper District, on the northerly side, from Washington Street approximately 145 feet easterly.

#### SPECIFIC REPAIRS

Anderson Street, Boston Proper District, at four corners of Phillips Street.

Austin Street, Charlestown District, between New Rutherford Avenue and Main Street.

Beacon Street, Brighton District, on the northerly side, from a point 400 feet west of Chestnut Hill Avenue approximately 170 feet westerly.

Camden Street, Roxbury District, at both corners of Alley 802.

Columbus Avenue, Boston Proper District, from Berkeley Street approximately 250 feet northerly.

Commonwealth Avenue, Brighton District, northerly sidewalk, from Lake Street approximately 700 feet easterly.

Commonwealth Avenue, Brighton District, from Lake Street approximately 350 feet easterly.

Congress Street, Boston Proper District, at the intersection of Purchase Street.

Dale Street, Roxbury District, at the southerly corner of Laurel Street.

East Newton Street, Boston Proper District, at the northerly corner of James Street.

East Sixth Street, South Boston District, at the northeasterly corner of K Street and all four corners of M, N and O Streets.

Fairmount Street, Dorchester District, at both corners of Nevada Street.

Franklin Avenue, Boston Proper District, on the easterly side between Court Street and Cornhill.

Harold Street, Roxbury District, on the northerly side adjacent to Washington Park Boulevard.

Hyde Park Avenue, Hyde Park District, from a point approximately 290 feet south of Millstone Street approximately 2 feet southerly.

Kenneth Street, West Roxbury District, at four corners of Clement Street, both corners of Meredith Street and Stratford Street.

Loring Street, South Boston District, at the southerly and westerly corners of West Seventh Street, and easterly corner of West Eighth Street.

Mystic Street, Charlestown District, from Bunker Hill Street to approximately 50 feet northerly, and from Medford Street to approximately 50 feet.

North Anderson Street, Boston Proper District, at the westerly corner of Parkman Street.

North Grove Street, Boston Proper District, at the southeasterly corner of Parkman Street.

Northampton Street, Roxbury District, at both corners of Public Alley 804 at the northerly and southerly intersections, and at both corners of Alley 802.

Polk Street, Charlestown District, from Bunker Hill Street approximately 50 feet northerly and from Medford Street approximately 50 feet southerly.

Princeton Street, East Boston District, at the southerly corner of Eagle Square, and the southerly and easterly corners of Shelby Street.

Public Alley 804, Boston Proper District, northeasterly side, from Northampton Street to Northampton Street.

Purchase Street, Boston Proper District, at the intersection of Congress Street.

Reservoir Road, Brighton District, on the easterly and westerly sides at the intersection of Beacon Street.

Ridgeway Lane, Boston Proper District, between Derne Street and Cambridge Street.

Ridgeway Lane, Boston Proper District, at the southeasterly and southwesterly corners of Cambridge Street.

Rutherford Avenue, Charlestown District, between a point approximately 225 feet north of Middlesex Street and New Rutherford Avenue, and from New Rutherford Avenue to Main Street.

Spruce Street, Boston Proper District, at the northwesterly corner of Beacon Street.

Walnut Avenue, Roxbury District, between Dennison Street and Martin Luther King, Jr., Boulevard.

West Cedar Street, Boston Proper District, at the north-easterly and southeasterly corners of Acorn Street.

#### SIDEWALKS

In connection with the Acts of 1958, chapter 245, the Public Improvement Commission ordered the installation of cement sidewalks in the following streets:

Aldrich Street, West Roxbury District, between Belgrade Avenue and West Roxbury Parkway.

Arlington Street, Hyde Park District, between Hyde Park Avenue and Providence Street.

Byron Street, East Boston District, between Saratoga Street and McLellan Highway.

Centre Avenue, Dorchester District, between Centre Street and Dorchester Avenue.

Centre Street, Dorchester District, between Washington Street and Dorchester Avenue.

Child Street, Hyde Park District, between Gordon Avenue and Cleveland Street.

Corey Road, Brighton District, from Washington Street to the Brookline Town Line.

Dale Street, Hyde Park District, between Poplar Street and Burley Street.



Dedham Street, Hyde Park District, from Reservation Road approximately 600 feet southwesterly.

Fairmount Street, Dorchester District, on the southerly side, from Morton Street to Capen Street.

Garfield Avenue, Hyde Park District, between Truman Highway and Washington Street.

Geneva Avenue, Dorchester District, between Bowdoin Street and Park Street.

Glenwood Avenue, Hyde Park District, between Truman Highway and Washington Street.

Hyde Park Avenue, Hyde Park District, between Millstone Street and 300 feet southerly.

Norton Street, Hyde Park District, between Readville Street and River Street.

Old Morton Street, Dorchester District, between Morton Street and River Street.

Perham Street, West Roxbury District, between Vermont Street and a point approximately 65 feet beyond Glenham Street.

Pond Street, Hyde Park District, between Highland Street and Williams Avenue.

Poplar Street, West Roxbury District, between Beech Street and a point approximately 800 feet westerly.

Princeton Street, East Boston District, between Shelby Street and Eagle Square.

Stockton Street, Dorchester District, between Washington Street and Milton Avenue.

Sumner Street, Dorchester District, between Stoughton Street and Annapolis Street.

Tremlett Street, Dorchester District, between Washington Street and Waldeck Street.

Vershire Street, West Roxbury District, between Alleyne Street and Cowing Street.

Walley Street, East Boston District, between Bennington Street and Waldemar Avenue.

Weld Street, West Roxbury District, on the southerly side, from Walter Street approximately 400 feet westerly.

#### DISCONTINUANCES

Adams Square, Boston Proper District, a portion at the intersection of the easterly side of Washington Street and the southeasterly side of Adams Square approximately 36 feet northerly and 60 feet easterly.

Broadway, Boston Proper District, a portion from Piedmont Street to Stuart Street.

Cabot Street, Roxbury District, a portion from a point approximately 50 feet southwest of Cunard Street northeasterly to Tremont Street.

Christopher Street, Dorchester District, a portion from a point approximately 325 feet east of Dorchester Avenue approximately 115 feet easterly.

Cunard Street, Roxbury District, a portion from Cabot Street to a point approximately 20 feet southeast of Tremont Street.

Cunard Street, Roxbury District, a portion on the southwesterly side, from a point approximately 60 feet southeast of Columbus Avenue approximately 53 feet southeasterly, 13 feet and more above the existing grade of said Cunard Street.

Harvard Street, Boston Proper District, a portion from Washington Street to Monsignor Shea Road.

Lincoln Place, Boston Proper District, from Worcester Street to West Springfield Street.

Medford Street, Charlestown District, from a point approximately 85 feet east of Main Street to approximately 90 feet easterly.

North Beacon Street, Brighton District, at the southwest-erly corner of Goodenough Street.

Public Alley 803, Boston Proper District, a portion from Camden Street approximately 120 feet northeasterly.

Public Alley 804, Boston Proper District, a portion from Alley 805 approximately 250 feet northwesterly.

Shawmut Street, Boston Proper District, a portion from Broadway approximately 123 feet westerly.

Stevens Street, Boston Proper District, from Lincoln Place to Shawmut Avenue.

Stuart Street, Boston Proper District, on the northerly side, from Clarendon Street approximately 75 feet westerly.

Walpole Street, Roxbury District, a portion on the north-easterly side, from a point approximately 56 feet southeast of Columbus Avenue approximately 96 feet southeasterly.

Walpole Street, Roxbury, a portion on the northeasterly side, from a point approximately 56 feet southeast of Columbus Avenue approximately 96 feet southeasterly, 13 feet and more above the existing grade of Walpole Street.

Washington Street, Boston Proper District, on the westerly side, from Cornhill approximately 152 feet southerly.

Westminster Street, Roxbury District, a portion from Wind-sor Street to Greenwich Street.

Windsor Street, Roxbury District, a portion from Warwick Street to Cabot Street.

#### STREET NAME CHANGE

Washington Park Boulevard, Roxbury District, from Warren Street to Washington Street. New name: Martin Luther King, Jr., Boulevard.

#### REVISION OF GRADE

Rutherford Avenue, Charlestown District, on both sides, from Essex Street to New Rutherford Avenue.



## SLOPE EASEMENTS

Austin Street, Charlestown District, between Austin Street and Main Street.

Cowing Street, West Roxbury District, on the northeasterly side, from a point approximately 120 feet northwest of Spinney Street approximately 150 feet northwesterly.

Front Street, Charlestown District, from New Rutherford Avenue to Mason Street.

Menton Street, Dorchester District, on the northerly side, from Standard Street approximately 170 feet easterly.

New Rutherford Avenue, Charlestown District, from existing Rutherford Avenue near Dunstable Street to existing Rutherford Avenue near City Square.

Private Land, West Roxbury District, from a point approximately 225 feet southeast of Jennett Avenue approximately 15 feet southeasterly.

Rutherford Avenue, Charlestown District, on both sides, from Essex Street to New Rutherford Avenue.

School Street, Charlestown District, from Main Street to New Rutherford Avenue.

## ESTABLISH BUILDING LINE

Cunard Street, Roxbury District, on the southwesterly side, from a point approximately 60 feet southeast of Columbus Avenue approximately 53 feet southeasterly.

Walpole Street, Roxbury District, on the northeasterly side, from a point approximately 56 feet southeast of Columbus Avenue approximately 96 feet southeasterly.

## LAND DAMAGES

During the year 1969, 29 claims were filed for damages to property resulting from land takings or changes in grade. On these claims the Public Improvement Commission awarded damages in the amount of \$10,182.66.

The Public Improvement Commission also awarded the amount of \$4,123.80 for anticipated damages as a result of new street construction and reconstruction.

## SEWER PROGRAM

During the year 1969, the construction of .65 miles of sanitary sewer, .71 miles of surface drain, 31 catch basins, and 35 drop inlets were ordered at a total estimated cost of \$250,427.

The following sewer easements were ordered discontinued:

Kenway Terrace, Roxbury District, from Washington Street approximately 15 feet southeasterly.

Private Alley 824, Boston Proper District, from Camden Street to Northfield Street.

Private Alley 825, Boston Proper District, from Camden Street to Northfield Street.

Private Land (formerly Chardon Street), Boston Proper District, on the northerly side, from Hawkins Street approximately 131 feet southwesterly.

Private Land (formerly Conant Street), Roxbury District, from St. Alphonsus Street to Huntington Avenue.

Private Land (formerly Smith Street), Roxbury District, from St. Alphonsus Street to Worthington Street.

Private Land (formerly Bainbridge Street), Roxbury District, from Walnut Avenue approximately 780 feet westerly and 330 feet northerly.

Private Land (formerly Whitney Street), Roxbury District, from Tremont Street to Conant Street.

An easement for drainage purposes was taken in Private Land Roxbury District, from Worthington Street to St. Alphonsus Street.

An easement for construction purposes was taken in Private Land (Widett Circle), Roxbury District, from Widett Circle approximately 750 feet northerly.

Sewerage works were ordered as follows:

## SEWERAGE WORKS ORDERED

STREET	Sanitary Sewer Linear Feet	Surface Drain Linear Feet	Catch Basin	Drain Inlet	Cost	Estimated Benefit
<b>Boston Proper</b>						
•Private Land (Hanson-Milford)						
<b>Roxbury</b>						
Foodmart Road.....	1,047	645	6	4	\$42,781 00	none
•Private Land (Worthington Street)						
•Private Land (Widett Circle).....	1,254	.....	.....	5	\$46,365 00	none
Widett Circle.....	360	2,468	21	26	\$117,481 00	none
<b>West Roxbury</b>						
•Ledge Way.....	370	235	2	.....	\$25,000 00	\$13,400 00
•Ridgecrest Terrace.....	397	393	2	.....	\$18,800 00	\$10,875 00

• Easements Taken

## PRIVATE WAYS

During the year 1969, permission was given to prepare for public travel the following private ways:

Ledge Way, West Roxbury, from Blueledge Drive to East Boundary Road.

Ridgecrest Terrace, West Roxbury, from Ridgecrest Drive approximately 365 feet easterly.

During the year 1969, permission was given to open for public travel the following private ways:

Henrici Street, Dorchester, from West Selden Street approximately 110 feet northwesterly.

Summit Circle, Hyde Park, from Summit Street approximately 190 feet southeasterly.

Sunset Hill Road, West Roxbury, from West Roxbury Parkway approximately 770 feet easterly.

## ASSESSMENTS

During the year 1969, the Highway Division of the Public Works Department sent notice of completion of twenty-three streets at a total cost of \$414,311.66. On this work the Public Improvement Commission levied assessments in the amount of \$150,116.42.

During the same period the Sewer Division of the Public Works Department reported the completion of construction of sanitary sewerage in thirteen streets at a cost of \$284,419.56, on which the Public Improvement Commission levied assessments in the amount of \$162,324.41.

During the year 1969, the Highway Division of the Public Works Department sent notice of completion of sidewalks in thirteen streets at a total cost of \$155,954.22. On this the Public Improvement Commission levied assessments in the amount of \$51,030.

## STREET ASSESSMENTS

STREET	Cost	Assessment
Belle Avenue, West Roxbury . . . . .	\$22,205 30	\$11,830 59
Carol Circle, West Roxbury . . . . .	27,335 45	7,629 00
Church Street, Hyde Park . . . . .	16,718 72	7,692 00
Collins Street, Hyde Park . . . . .	13,783 86	8,396 26
Crest Street, West Roxbury . . . . .	20,076 91	8,444 00
Cromwell Road, Hyde Park . . . . .	11,288 00	3,853 02
DeRoma Road, West Roxbury . . . . .	17,516 44	5,014 00
Hardwick Terrace, Brighton . . . . .	9,573 34	3,050 00
Hazelmere Road, West Roxbury . . . . .	12,768 60	6,179 99
Manning Street, West Roxbury . . . . .	12,654 14	4,704 00
Maria Lane, West Roxbury . . . . .	28,621 44	8,686 50
Mattapan Street, Dorchester . . . . .	25,086 29	8,203 48
Northdale Terrace, West Roxbury . . . . .	7,675 44	2,718 00
Parkson Street, Hyde Park . . . . .	26,275 92	10,560 16
Pinefield Lane, Hyde Park . . . . .	8,743 91	1,897 18
Pinefield Road, Hyde Park . . . . .	19,786 62	12,072 83
Prospect Circle, Hyde Park . . . . .	13,701 87	3,755 00
Ralston Road, Dorchester and Hyde Park . . . . .	13,499 04	7,336 00
Sefton Street, Dorchester . . . . .	47,759 80	1,017 35
Segel Street, West Roxbury (formerly Fessenden Street) .	9,808 13	4,904 06
Thorn Street, Hyde Park . . . . .	9,997 69	4,411 00
Vallaro Road, Hyde Park . . . . .	24,119 64	10,640 00
Whittemore Street, West Roxbury . . . . .	15,315 11	7,122 00
Total . . . . .	\$414,311 66	\$150,116 42

## SEWER ASSESSMENTS

STREET	Cost	Assessment
Brushwood Circle, Hyde Park .....	\$6,183 45	\$4,637 58
Collins Street, Hyde Park .....	11,311 72	6,525 00
Crown Point Drive, Hyde Park .....	18,837 32	14,128 00
	13,250 24	6,528 46
Emmet Street } Hale Street } Townsend Street }	67,118 68	31,130 32
Fieldmont Street, Hyde Park .....	6,738 27	3,572 92
Georgetowne Drive, West Roxbury and Hyde Park .....	43,756 70	32,817 53
Margaretta Drive, Hyde Park .....	12,855 53	9,641 65
Newfield Street, West Roxbury .....	8,886 00	4,732 50
Private Land, Hyde Park (Sprague Street) .....	70,263 46	36,010 45
Sanford Street, Hyde Park .....	25,218 19	12,600 00
Total .....	\$284,419 56	\$162,324 41

## SIDEWALK ASSESSMENTS

STREET	Cost	Assessment
Bronx Road, West Roxbury .....	\$9,777 40	\$2,982 00
Falcon Street, East Boston .....	3,369 48	1,496 00
Faneuil Street, Brighton .....	29,191 30	12,018 00
Forest Hills Street, West Roxbury .....	13,051 20	1,318 00
Fox Street, Dorchester .....	1,946 05	759 00
Fresno Street, West Roxbury .....	7,492 05	2,984 00
Harvard Street, Dorchester .....	32,285 70	7,214 00
Jeffries Street, East Boston .....	3,439 45	908 00
Leyden Street, East Boston .....	11,838 65	4,770 00
Percival Street, East Boston .....	4,600 05	1,816 00
St. Theresa Avenue, West Roxbury .....	7,068 00	2,031 00
Sturbridge Street, Dorchester .....	11,874 09	4,968 00
Wren Street, West Roxbury .....	20,020 80	7,766 00
Total .....	\$155,954 22	\$51,030 00



During the period of this report 117 petitions for public utilities were approved for the placing and maintaining of poles for the support of wires.

Also, 141 petitions were approved for miscellaneous installations or uses of the public highways of the City of Boston, as follows:

STREET	Petitioner	Nature of Petition
Abbotsford Street, Roxbury	Boston Gas Company	Gas main
Akron Street, Roxbury	Boston Gas Company	Gas main
Atkinson Street, Roxbury	Boston Gas Company	Gas main
Atlantic Avenue, Boston Proper	Boston Edison Company	Conduit
Atlantic Avenue, Boston Proper (3)	Boston Gas Company	Gas mains
Bartlett Street, Charlestown	Boston Gas Company	Gas main
Beach Street, Boston Proper	Cathay House Restaurant	Brick face veneer wall
Beacon Street, Brighton	Employers Commercial Union Group	Soldier piles and tie backs
Belvidere Street, Boston Proper	Boston Edison Company	Conduit
Bennington Street, East Boston	Boston Gas Company	Gas main
Billerica Street, Boston Proper	Boston Gas Company	Gas main
Blue Hill Avenue, Roxbury	Boston Gas Company	Gas main
Bowdoin Avenue, Dorchester	Boston Gas Company	Gas main
Boyle Street, Charlestown	Boston Gas Company	Gas main
Boylston Street, Boston Proper	Boston Edison Company	Conduit
Brookline Avenue, Roxbury	New England Deaconess Hospital	Tunnel
Bunker Hill Lane, Charlestown	Boston Gas Company	Gas main
Bunker Hill Street, Charlestown	Boston Gas Company	Gas main
Cambridge Street, Charlestown	Boston Gas Company	Gas main
Ceylon Street, Roxbury	Boston Gas Company	Gas main
Charles Street South, Boston	Boston Gas Company	Gas main
Chestnut Avenue, West Roxbury	Boston Gas Company	Gas main
Circuit Street, Roxbury	Boston Gas Company	Gas main
Clinton Street, Boston Proper	Boston Gas Company	Gas main
Commonwealth Avenue, Brighton	Boston Gas Company	Gas main
Concord Street, Boston Proper	Tremont Homes, Inc.	Pipe trench
Congress Street, Boston Proper	Boston Edison Company	Conduit
Congress Street, South Boston	Boston Gas Company	Gas main
Cordis Street, Charlestown	Boston Gas Company	Gas main
Cordis Street Avenue, Charlestown	Boston Gas Company	Gas main
Cottage Street, East Boston	Boston Gas Company	Gas main
Cunningham Street, Dorchester	Boston Gas Company	Gas main
D Street, South Boston	Boston Gas Company	Gas main
Dale Street, Roxbury	Boston Gas Company	Gas main
Dartmouth Street, Boston Proper	Boston Gas Company	Gas main

STREET	Petitioner	Nature of Petition
Delhi Street, Dorchester	Boston Gas Company	Gas main
Devon Street, Dorchester	Boston Gas Company	Gas main
Dorchester Street, South Boston	Boston Gas Company	Gas main
E Street, South Boston (2)	Boston Gas Company	Gas mains
East Fourth Street, South Boston	Boston Gas Company	Gas main
East India Row, Boston Proper	Boston Gas Company	Gas main
East Lenox Street, Boston Proper	Boston Gas Company	Gas main
Elm Street, Charlestown	Boston Gas Company	Gas main
Elm Hill Avenue, Roxbury	Boston Gas Company	Gas main
F Street, South Boston	Boston Gas Company	Gas main
Fernwood Road, West Roxbury	Boston Gas Company	Gas main
Foundry Street, Boston Proper	Boston Edison Company	Conduit
Franklin Street, Boston Proper	Boston Edison Company	Conduit
Frawley Street, Roxbury	Blood Research Institute, Inc.	Extend over sidewalk lines
Frontage Road, Boston Proper	Boston Gas Company	Gas main
Gold Street, South Boston	Boston Gas Company	Gas main
Green Street, Charlestown	Boston Gas Company	Gas main
Grove Street, Boston Proper	Boston Gas Company	Gas main
Harold Street, Roxbury	Boston Gas Company	Gas main
Harrison Avenue, Boston Proper	Boston Gas Company	Gas main
Haymarket North Extension, Charlestown	Boston Gas Company	Gas main
Heath Street, West Roxbury	Boston Gas Company	Gas main
High Street, Boston Proper	Boston Edison Company	Conduit
High Street, Charlestown (2)	Boston Gas Company	Gas main
Howard Avenue, Dorchester	Boston Gas Company	Gas main
Hull Street, Boston Proper	Hertz Corporation	Galvanized steel pipe lines
Huntington Avenue, Roxbury	Boston Gas Company	Gas main
Huntington Avenue, Roxbury	Blood Research Institute, Inc.	Extend over sidewalk lines
Ipswich Street, Boston Proper	Boston Gas Company	Gas main
Jersey Street, Boston Proper	Boston Gas Company	Gas main
John F. Fitzgerald Expressway Boston Proper (2)	Boston Gas Company	Gas mains
Joslin Park, Roxbury	New England Deaconess Hospital	Tunnel
Keith Street, West Roxbury	Boston Gas Company	Gas main
Kneeland Street, Boston Proper	Boston Edison Company	Conduit
Kneeland Street, Boston Proper (2)	Boston Gas Company	Gas mains
Kneeland Street, Boston Proper	Boston Edison Company	Conduit
Lamson Street, East Boston	Boston Gas Company	Gas main
Lantern Lane, West Roxbury	Boston Gas Company	Gas main
Laredo Street, Dorchester	Boston Gas Company	Gas main
Maffa Way, Charlestown	Boston Gas Company	Gas main

STREET	Petitioner	Nature of Petition
Main Street, Charlestown	Boston Gas Company	Gas main
Massachusetts Avenue, Boston Proper	Boston Gas Company	Gas main
Maverick Street, East Boston	Boston Gas Company	Gas main
Medford Street, Charlestown	Boston Gas Company	Gas main
Messinger Street, Dorchester	Boston Gas Company	Gas main
Milk Street, Boston Proper	Boston Gas Company	Gas main
Mission Street, Roxbury	Blood Research Institute, Inc.	Sidewalk extension
Montebello Road, Roxbury	Boston Gas Company	Gas main
Monument Avenue, Charlestown	Boston Gas Company	Gas main
Monument Square, Charlestown	Boston Gas Company	Gas main
Monument Street, Charlestown	Boston Gas Company	Gas main
Nashua Street, Boston Proper	Boston Edison Company	Conduit
Nashua Street, Boston Proper	Boston Gas Company	Gas main
Newbury Street, Boston Proper	Boston Edison Company	Conduit
Oak Street West, Boston Proper	Boston Gas Company	Gas main
Orleans Street, East Boston	Boston Gas Company	Gas main
Pacific Street, South Boston	Boston Gas Company	Gas main
Palermo Street, East Boston	Boston Gas Company	Gas main
Park Square, Boston Proper	Boston Gas Company	Gas main
Pemberton Square, Boston Proper	Employers-Commercial Union Insurance Group	Soldier piles and tie backs
Pilgrim Road, Roxbury	New England Deaconess Hospital	Tunnel
Pleasant Street, Charlestown	Boston Gas Company	Gas main
Polk Street, Charlestown	Boston Gas Company	Gas main
Poplar Street, West Roxbury	Boston Gas Company	Gas main
Prescott Street, East Boston	Boston Gas Company	Gas main
Quincy Street, Roxbury	Boston Gas Company	Gas main
Rockland Avenue, Roxbury	Boston Gas Company	Gas main
Rockland Street, Roxbury	Boston Gas Company	Gas main
Rockwood Street, West Roxbury	Boston Gas Company	Gas main
Rosseter Street, Dorchester	Boston Gas Company	Gas main
St. Alphonsus Street, Roxbury	Boston Gas Company	Gas main
School Street, Boston Proper	Boston Five Cents Savings Bank	Snow melting cables
School Street, Charlestown	Boston Gas Company	Gas main
Shawmut Avenue, Boston Proper (4)	Boston Gas Company	Gas mains
Sheridan Street, West Roxbury	Boston Gas Company	Gas main
Smith Street, Roxbury	Boston Gas Company	Gas main
Soley Street, Charlestown	Boston Gas Company	Gas main
Somerset Street, Brighton	Employers-Commercial Union Insurance Group	Soldier piles and tie backs
South Street, West Roxbury	Boston Gas Company	Gas main
South Huntington Avenue, West Roxbury	Boston Gas Company	Gas main

STREET	Petitioner	Nature of Petition
Spaulding Street, West Roxbury	Boston Gas Company	Gas main
Stuart Street, Boston Proper (3)	Boston Gas Company	Gas mains
Stuart Street, Boston Proper	Boston Edison Company	Conduit
Sullivan Square, Charlestown	Boston Gas Company	Gas main
Summer Street, East Boston	Boston Gas Company	Gas main
Surface Road, Boston Proper	Boston Gas Company	Gas main
Thomas Park, South Boston	Boston Gas Company	Gas main
Townsend Street, Roxbury	Boston Gas Company	Gas main
Tremont Street, Boston Proper (2)	Boston Gas Company	Gas mains
Tremont Street South, Boston Proper	Boston Gas Company	Gas main
VanNess Street, Boston Proper	Boston Gas Company	Gas main
Violet Street, Dorchester	Boston Gas Company	Gas main
Walnut Avenue, Roxbury	Boston Gas Company	Gas main
Walnut Street, Dorchester (2)	Boston Gas Company	Gas mains
Warren Street, Charlestown	Boston Gas Company	Gas main
Warren Street, Roxbury	Boston Gas Company	Gas main
Warwick Street, Roxbury	Boston Gas Company	Gas main
Washington Street, Boston Proper (4)	Boston Gas Company	Gas mains
Washington Street By-Pass, Boston Proper	Massachusetts Bay Transit Authority	Channel
Water Street, Dorchester	Boston Gas Company	Gas main
Webster Street, East Boston	Boston Gas Company	Gas main
West Fourth Street, Boston Proper	Boston Gas Company	Gas main
West Second Street, South Boston	Boston Gas Company	Gas main
Williams Avenue, Hyde Park	Worcester Gas Light Company	Gas main
Windsor Street, Roxbury	Boston Gas Company	Gas main
Worthington Street, Roxbury	Boston Gas Company	Gas main
Worthington Street, Roxbury (Drain Easement)	Boston Gas Company	Gas main

JOSEPH F. CASAZZA, *Chairman,*

FREDERICK L. GARVIN,  
*Chief Engineer.*

WILLIAM R. McGRATH,

JOHN F. MULHERN,

JOYCE E. BURRELL,

*Public Improvement Commission.*

*Acting Executive Secretary.*

**APPENDIX A****CENTRAL OFFICE**

**TABLE 1**—List of Positions and Number of Employees

**TABLE 2**—Number of Employees

**TABLE 3**—Appointments, Transfers, Retirements, Etc.

**PERMIT BRANCH**

**TABLE 4**—Cash Receipts, Committed Accounts, Etc.

**TABLE 5**—Permits, Licenses, Deposits

**MAINTENANCE BRANCH**

**TABLE 6**—Equipment, New Equipment

**TABLE 7**—Summary of Appropriations



## PERSONNEL SECTION

The records of the department show that there are now 1,391 persons eligible for employment in the several divisions and of that number 1,369 were upon the January 2, 1970, payrolls.

TABLE 1  
TITLE AND NUMBER OF EMPLOYEES

TITLE	Central Office	Highway Division	Sanitary Division	Sewer Division	Engineering Division	Water Division	Total
Commissioner of Public Works . . . . .	1	—	—	—	—	—	1
Deputy commissioner and division engineer . . . . .	—	—	1	—	—	—	1
Administrative assistant . . . . .	2	1	1	1	1	—	6
Assistant civil engineer . . . . .	—	2	—	2	12	—	16
Assistant drawtender . . . . .	—	15	—	—	—	—	15
Assistant sewer pumping station operator . . . . .	—	—	—	12	—	—	12
Assistant superintendent . . . . .	—	—	—	—	—	1	1
Associate civil engineer . . . . .	—	2	—	2	2	—	6
Associate electrical engineer . . . . .	—	1	—	—	—	—	1
Cashier and weigh clerk . . . . .	—	—	1	—	—	—	1
Chief communications equipment operator . . . . .	1	—	—	—	—	—	1
Chief inspector . . . . .	—	1	—	—	—	—	1
Chief sewer pumping station operator . . . . .	—	—	—	1	—	—	1
Chief water meter reader . . . . .	—	—	—	—	—	1	1
Clerk and typist . . . . .	—	—	—	—	1	—	1
Communications equipment operator . . . . .	5	—	—	—	—	—	5
Constable . . . . .	1	—	—	—	—	—	1
Crane operator . . . . .	—	—	11	—	—	—	11
Director of transportation . . . . .	1	—	—	—	—	—	1
Division engineer . . . . .	—	1	—	1	1	1	4
Drawtender . . . . .	—	4	—	—	—	—	4
Electrician . . . . .	—	1	—	—	—	—	1
Electrician-operator . . . . .	—	—	—	2	—	—	2
Executive secretary (PIC) . . . . .	1	—	—	—	—	—	1
Executive secretary (PWD) . . . . .	1	—	—	—	—	—	1
First assistant drawtender . . . . .	—	16	—	—	—	—	16

TABLE 1 — Continued  
TITLE AND NUMBER OF EMPLOYEES

TITLE	Central Office	Highway Division	Sanitary Division	Sewer Division	Engineering Division	Water Division	Total
Garage attendant.....	5	—	—	—	—	—	5
Garage foreman.....	3	—	—	—	—	1	4
Gas lamp repairman.....	—	4	—	—	—	—	4
General foreman.....	2	—	—	—	—	1	3
Head account clerk.....	1	—	—	—	—	1	2
Head administrative clerk.....	2	—	—	—	—	—	2
Head clerk.....	—	2	1	1	1	2	7
Head permit investigator.....	1	—	—	—	—	—	1
Head photostat operator.....	—	—	—	—	1	—	1
Head storekeeper.....	1	—	—	—	—	1	2
Heavy motor equipment operator and laborer.....	2	51	24	1	—	15	93
Heavy motor equipment repairman.....	9	—	—	—	—	—	9
Inspector.....	—	76	44	12	—	21	153
Junior civil engineer.....	—	5	—	1	5	1	12
Junior engineering aid.....	—	5	—	2	8	1	15
Laborer.....	—	246	83	18	—	47	394
Maintenance foreman.....	4	4	1	4	—	1	14
Maintenance man.....	11	—	5	—	—	—	16
Maintenance mechanic (blacksmith).....	4	—	—	—	—	—	4
Maintenance mechanic (carpenter).....	2	6	—	—	—	—	8
Maintenance mechanic (light service repairman)....	—	6	—	—	—	—	6
Maintenance mechanic (mason).....	—	—	—	3	—	1	4
Maintenance mechanic (millwright).....	—	—	4	2	—	—	6
Maintenance mechanic (painter).....	2	1	—	—	—	—	3
Maintenance mechanic (plumber).....	—	—	—	—	—	4	4
Maintenance mechanic (sheet metal worker).....	1	—	—	—	—	—	1
Maintenance mechanic (water serviceman).....	—	—	—	—	—	10	10
Maintenance mechanic (welder).....	4	1	—	—	—	—	5
Maintenance mechanic helper.....	11	—	—	—	—	14	25
Motor equipment operator and laborer.....	1	59	8	6	—	—	74
Motor equipment repair foreman.....	3	—	—	—	—	—	3
Motor equipment repairman.....	14	—	—	—	—	—	14

TABLE 1 — Continued  
TITLE AND NUMBER OF EMPLOYEES

TITLE	Central Office	Highway Division	Sanitary Division	Sewer Division	Engineering Division	Water Division	Total
Paver.....	—	15	—	—	—	—	15
Permit investigator.....	4	—	—	—	—	—	4
Personnel assistant.....	1	—	—	—	—	—	1
Photographer.....	—	—	—	—	1	—	1
Principal account clerk.....	5	—	—	—	—	4	9
Principal cashier.....	1	—	—	—	—	—	1
Principal civil engineer.....	—	—	2	1	5	—	8
Principal clerk.....	—	—	1	1	—	6	8
Principal clerk stenographer.....	3	—	—	—	—	2	5
Principal clerk typist.....	6	3	1	1	—	2	13
Principal personnel officer.....	1	—	—	—	—	—	1
Principal storekeeper.....	1	—	—	—	—	—	1
Sanitation foreman.....	—	—	2	—	—	—	2
Senior account clerk.....	—	—	—	—	—	2	2
Senior civil engineer.....	—	8	—	—	3	1	12
Senior clerk.....	—	—	—	—	—	2	2
Senior clerk and stenographer.....	—	—	1	—	—	1	2
Senior clerk and typist.....	5	2	—	—	—	4	11
Senior engineering aid.....	—	6	—	4	11	2	23
Senior storekeeper.....	—	—	—	1	—	2	3
Sewer cleaner.....	—	—	—	6	—	—	6
Sewer gateman.....	—	—	—	7	—	—	7
Sewer pumping station operator.....	—	—	—	6	—	—	6
Sign painter and letterer.....	1	—	—	—	—	—	1
Special heavy motor equipment operator.....	1	1	4	8	—	2	16
Special water meter reader.....	—	—	—	—	—	4	4
Steam fireman (incinerator).....	—	—	2	—	—	—	2
Steam fireman.....	—	—	1	—	—	—	1
Stoker.....	—	—	28	—	—	—	28
Storekeeper.....	—	1	—	—	—	—	1
Superintendent.....	1	2	2	1	—	1	7
Supervisor.....	3	14	8	3	—	1	29

**TABLE 1 — Concluded**  
**TITLE AND NUMBER OF EMPLOYEES**

TITLE	Central Office	Highway Division	Sanitary Division	Sewer Division	Engineering Division	Water Division	Total
Water meter reader .....	—	—	—	—	—	19	19
Water meter repairman .....	—	—	—	—	—	9	9
Water service maintenance man .....	—	—	—	—	—	21	21
Water revenue supervisor .....	—	—	—	—	—	1	1
Water service repairman .....	—	—	—	—	—	32	32
Working foreman .....	—	6	6	6	—	20	38
Yard clerk .....	—	—	3	—	—	4	7
Yard master .....	—	—	—	—	—	1	1
Totals .....	129	569	245	118	53	277	1,391

**TABLE 2**  
**NUMBER OF EMPLOYEES ACTUALLY EMPLOYED**  
**JANUARY 1, 1969, AND JANUARY 1, 1970**

	Central Office	Highway Division	Sanitary Division	Sewer Division	Engineering Division	Water Division	Total
January 1, 1969 .....	130	612	271	108	48	278	1,447
January 1, 1970 .....	129	569	245	118	53	277	1,391
Total Eligible Force...	138	701	201	120	61	295	1,516

TABLE 3

**APPOINTMENTS, TRANSFERS, RESIGNATIONS,  
RETIREMENTS, DEATHS, ETC., OF EMPLOYEES**

Appointed	Reinstated	Transferred from Other Departments	Transferred from Other Divisions	January 1, 1970	Services 1969-1970	January 1, 1969	Resigned	Discharged	Transferred to Other Departments	Transferred to Other Divisions	Retired	Died
1	1	1	2	129	Central Office.....	130	1	—	1	—	2	2
29	1	—	4	569	Highway.....	612	24	4	2	15	22	10
—	2	—	—	245	Sanitary.....	271	12	5	2	3	6	—
13	—	—	8	118	Sewer.....	108	3	2	—	—	4	2
5	—	—	2	53	Engineering.....	48	1	—	—	1	—	—
20	2	—	2	277	Water.....	278	5	1	1	1	11	6
68	6	1	18	1,391	Totals.....	1,447	46	12	6	20	45	20

**TABLE 4  
PERMIT BRANCH ACCOUNTS  
CASH RECEIPTS**

Permits — signs . . . . .	\$57,407 40
Permits — openings and occupation . . . . .	111,558 69
Licenses — storage and sale of merchandise . . . . .	19,621 00
Sewer inspection fees . . . . .	2,550 00
Dump tickets . . . . .	27,585 00
Contract books . . . . .	1,122 00
Engineering and inspection fees . . . . .	368,334 96
Special permits . . . . .	5,097 00
Telephone booth locations . . . . .	2,085 64
Miscellaneous account . . . . .	2,107 74

Total . . . . .	\$592,372 43
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**COMMITTED ACCOUNTS**

Rental — city property . . . . .	\$13,791 00
Water use through city hydrants — Water Division . . . . .	19,394 25
Damage to property — Water Division . . . . .	5,400 00
Damage to property — Highway Division . . . . .	2,606 10
Damage to property — Maintenance Branch . . . . .	521 05

Total . . . . .	\$41,712 40
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**MISCELLANEOUS**

Non-Revenue accounts — United States Government . . . . .	None
PIC minimum pavement . . . . .	None
Special meter tests . . . . .	\$150 00
Sewer Division — release sewers . . . . .	471 25

Total . . . . .	\$621 25
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## DEPOSIT ACCOUNTS

Water deposits . . . . .	\$96,501 95
Street opening account (drain, water, etc.) . . . . .	100,455 65
Street opening account special (Public Service Corporation) . . . . .	1,154,298 12
Total . . . . .	<u>\$1,351,255 72</u>
Grand Total . . . . .	<u>\$1,985,961 80</u>

**TABLE 5**  
**SUMMARY OF PERMITS**  
**PERMITS AND LICENSES ISSUED**

Signs . . . . .	4,939
Permits — openings and occupation . . . . .	11,344
Licenses . . . . .	218
Sewer inspection fees . . . . .	86
Dump tickets . . . . .	27,585
	<u>44,172</u>

## DEPOSIT RECEIPTS ISSUED

Water deposits . . . . .	533
Street opening deposits (drain, water, etc.) . . . . .	418
Contract books . . . . .	561
	<u>1,512</u>
Driveway applications issued and processed . . . . .	237
Notice of violations issued and served . . . . .	256

## MAINTENANCE BRANCH

## HISTORY

The Maintenance Branch, a section of the Central Office, Public Works Department, was established February 8, 1960, by the Commissioner of Public Works and is a consolidation of the former Automotive Division of the Repair Shops, previously under the jurisdiction of the Sanitary Division.

## FUNCTIONS AND PROCEDURES

The Maintenance Branch is responsible for the care, control, and the maintenance of all department-owned vehicles, and for the operation, care, and maintenance of all real estate and related facilities of the Public Works Department. The control of public utilities, such as telephones, electrical services, etc., are vested in the Maintenance Branch, as well as household supplies, fuel oil, etc.

The Maintenance Branch is primarily a service agency, and its success depends on how efficiently it meets the operating demands of the entire department. It is responsible for the following functions:

(1) Perform automotive repairs of many types; (2) determines repairs to be made by commercial firms and checks the repairs which are made; (3) maintains stocks of automotive supplies; (4) lubricates vehicles and makes periodic changes of oil; (5) supervises the maintenance of vehicles through periodic inspections and through preventive maintenance procedures; (6) dispenses gasoline, oil, and anti-freeze to department vehicles; (7) is responsible for the storage of vehicles in garages of the department and in commercial storage areas; (8) keeps records of equipment and supplies and cost analysis records; (9) participates in decisions concerning the purchase of new equipment; (10) draws up specifications for new equipment; (11) receives new equipment and prepares it for use; (12) furnishes emergency towing service for vehicles of any municipal agency; (13) furnishes communications of radio, teletype and telephone to operating units of the Public Works Department.

The central dispatching headquarters is at 710 Albany Street.

The ninety-four employees of the Maintenance Branch on the payroll as of December 31, 1969, were employed at the below mentioned locations:

City Hall . . . . .	3
Highland Street Repair Garage . . . . .	29

#### Area One — Albany Street

Blacksmith Shop . . . . .	15
Street Sweeper Repair Shop . . . . .	8
Building Maintenance Shop . . . . .	9
Albany Street Storage Garage . . . . .	4
Communication Center . . . . .	6

Area Two — Forest Hills Garage . . . . .	6
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Area Three — Hancock Street Garage . . . . .	7
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Dana Avenue Welding Shop . . . . .	5
Absent — not paid . . . . .	2
(Two Workman's Compensation)	
December 31, 1968 — Ninety-five employees on payroll	
December 31, 1967 — Ninety-seven employees on payroll	
December 31, 1966 — Ninety-seven employees on payroll	
December 31, 1965 — Ninety-one employees on payroll	
December 31, 1964 — Ninety-four employees on payroll	
December 31, 1963 — Ninety-nine employees on payroll	
December 31, 1962 — One hundred and seven employees on payroll	
December 31, 1961 — One hundred and twenty employees on payroll	
December 31, 1960 — One hundred and thirty-one employees on payroll	

TABLE 6

## EQUIPMENT, NEW EQUIPMENT

The Maintenance Branch is responsible for the repairs and maintenance of the Automotive Equipment of the Public Works Department, which consisted of the following on December 31, 1969:

Trojan front end loaders . . . . .	12
Hough front end loaders . . . . .	3
Michigan front end loaders . . . . .	7
Euclid front end loaders . . . . .	3
Ford dump trucks F-850 . . . . .	29
Ford dump trucks F-950 . . . . .	63
Ford Falcon station wagons . . . . .	47
Ford ranch wagons . . . . .	19
Dodge Coronet station wagons . . . . .	18
Ford pick-up trucks F-350 . . . . .	23
Ford pick-up trucks F-250 . . . . .	16
Ford pick-up trucks F-100 . . . . .	20
Ford dump trucks C-1100 . . . . .	4
Ford dump trucks C-600 . . . . .	2
Ford dump truck F-600 . . . . .	1
Wayne street sweepers . . . . .	30
Elgin street sweepers . . . . .	4
Worthington compressors . . . . .	10

Ingersoll-Rand compressors . . . . .	4
Gardner-Denver compressor trailers . . . . .	3
Ford Netco sewer cleaners . . . . .	2
International catch basin cleaners . . . . .	4
Galion rollers . . . . .	3
Ford wrecker truck C-1100 . . . . .	1
Cushman trucksters . . . . .	6
International dump trucks . . . . .	10
International bullgrader . . . . .	1
International van trucks . . . . .	4
International crane truck . . . . .	1
Thermal snow melter . . . . .	1
Ariens snow throwers . . . . .	2
Bombardier snowmobiles . . . . .	12
Ford platform truck C-750 . . . . .	1
Ford tractor 5th wheel . . . . .	1
Heil dump trailer 5th wheel . . . . .	1
Ford walk-in van P-500 . . . . .	5
Ford hydrocrane . . . . .	1
Ford Packmaster C-950 . . . . .	2
Ford Econoline E-160 . . . . .	4
Ford gate turner . . . . .	1
Ford Galaxie sedan . . . . .	1
Ford wrecker F-850 . . . . .	1
Ford custom 500 sedan . . . . .	5
Mercury sedan . . . . .	1
Olsmobile sedan 98 . . . . .	1
Ford diesel dump trucks . . . . .	2
Ford high pressure cleaner . . . . .	1
Ford F-850 with derrick . . . . .	1
Ford platform truck F-600 . . . . .	5
Bay City crane . . . . .	1
Caterpillar tractor . . . . .	4
Caterpillar traxcavator . . . . .	1
Caterpillar front end loaders . . . . .	2
Wayne wood chipper . . . . .	1
Dynahoe . . . . .	1
Dodge platform truck . . . . .	1
Trailer field office . . . . .	6
Freuhauf trailers . . . . .	2
Kiley tool box trailer . . . . .	1
Homemade trailer . . . . .	1
Highway semi-trailer . . . . .	2
Hobart arc welder trailers . . . . .	4
Smithco trailer . . . . .	1
Miller tilt top trailer . . . . .	1
Fork lifts . . . . .	3
Dodge pick-up trucks . . . . .	7
Flexible truck loaders . . . . .	2
Jaegar pump trailers . . . . .	2
Briggs and Stratton sewer rodders . . . . .	7
Homelite pumps . . . . .	5
Rogers semi-trailer . . . . .	1
Cummins diesel compactor . . . . .	1
Sicard Snowmaster . . . . .	1
Warner and Swasey gradall . . . . .	1
Hauck asphalt heater trailer . . . . .	1
Griffin high light trailer . . . . .	1
Wisconsin sidewalk plow . . . . .	1
Stewart Warner portable heaters . . . . .	2
Buffalo-Springfield tandems . . . . .	2
Hauck tar kettle . . . . .	1
Hauck tool and cement heater . . . . .	1

Acker core drill . . . . .	1
Brothers snow blower . . . . .	1
Homelite generator . . . . .	1
Huski-Unisickle . . . . .	1
LeRoi cable winch . . . . .	1
Malsbury portable steam cleaner . . . . .	1
Homestead hoister . . . . .	1
Kellogg stationary air compressor . . . . .	1
Silent Glow portable cleaner . . . . .	1
Clayton-Kerrick steam cleaner . . . . .	1

## NEW EQUIPMENT PURCHASED

4	Bombardier sidewalk tractors with reversible blades . . . . .	\$23,364	00
6	Sand spreaders . . . . .	11,926	00
1	Heavy duty truck chassis (with rotary snowplow) . . . . .	23,625	00
10	F950 dump trucks . . . . .	104,181	80
15	Four-door station wagons . . . . .	33,810	00
1	Four-door sedan . . . . .	2,956	25
1	Hydraulic Lighting Truck . . . . .	17,692	88
3	$\frac{3}{4}$ ton pick-up trucks . . . . .	12,216	00
2	Water meter trucks . . . . .	9,047	28
9	Two-way radios . . . . .	9,630	00
4	Receiving stations . . . . .	8,631	00
4	Cushman carts . . . . .	10,819	60
2	Four-door station wagons (Water) . . . . .	5,268	00
2	Four-door station wagons (Sewer) . . . . .	5,268	00
4	Catch basin cleaning machines . . . . .	36,964	32
5	Dual control street sweepers . . . . .	71,860	00
1	Gradall excavating machine . . . . .	51,850	00
2	Front end loaders . . . . .	46,750	00
Total . . . . .		\$485,860	13

The below-mentioned are expenditures for new equipment in the last six years:

1969 . . . . .	\$485,860	13
1968 . . . . .	433,853	42
1967 . . . . .	917,177	68
1966 . . . . .	262,532	46
1965 . . . . .	290,567	11
1964 . . . . .	331,743	67

The following is a program of activities of the various sections of the Central Office — Maintenance Branch:

- A. Administrative Section
- B. Automotive Repair Section
- C. Welding Repair Section
- D. Building Maintenance Section
- E. Communications Center

## ADMINISTRATIVE SECTION

The principal administrative functions include: (a) budget estimates and reports; (b) preparation of contracts,



specifications and invitations to bid; (c) procurement of equipment, tools, parts, materials, and supplies; (d) accounting and cost records and reports; (e) maintenance records and reports; (f) contract administration; (g) general supervision of equipment; (h) general supervision of the repair shops; (i) general supervision of personnel; (j) supervision of correspondence; (k) supervision of the Communications Center; (l) dispensation of gasoline; (m) supervision of safety program; and (n) time keeping and record keeping.

The Albany Street garage is a two story building with a floor area of 22,000 sq. ft., and is utilized for garaging of trucks and dispensing of gasoline and oil. Repairs to chains are made here during the winter months.

#### AUTOMOTIVE REPAIR SECTION

The Automotive Repair Section is divided into four locations:

1. Highland Street Motor Repair Garage, Roxbury
2. Albany Street, Boston Proper
3. Forest Hills, Jamaica Plain
4. Hancock Street, Dorchester

1. The Highland Street motor repair garage as a one story building with a floor area of 8,200 sq. ft., and is utilized for general repair work, stockroom, lubrication, and dispensing of gasoline and oil. Approximately ten thousand repair jobs are performed yearly at the various garages. The stockroom at the Highland Street motor repair garage maintains an inventory of approximately \$50,000.00 worth of repair parts, tires, batteries, etc.

Typical repair jobs performed at the Highland Street motor repair garage are listed below:

- (1) Adjusting, relining, and repairing brakes
- (2) Adjusting and overhauling clutches
- (3) Repairing fuel pumps
- (4) Repairing and installing mufflers
- (5) Motor tune-up jobs
- (6) Major chassis repairs
- (7) Engine overhaul

- (8) Ignition and carburetor repairs
- (9) Installing rebuilt motors on trucks
- (10) Repairing of power take-offs on hoists
- (11) Repairing tires and tubes

2. The Albany Street sweeper repair shop is responsible for the mechanical operation of the street sweepers. The Albany Street sweeper repair shop combined with the welding repair section comprises an area of approximately 30,000 sq. ft. The shop personnel perform complete overhaul operations and install motors, consisting of the removal of the fan belt, engine pulleys, generators, water pumps, intake and exhaust manifold, carburetors, plugs, wires, distributors, rear-housing, flywheel, clutch pressure plate, and bearings.

The workers repair and install drive chains on front wheels, elevators, auxiliary drive, and main broom drive; as well as alignment, repairing, and installing of sprockets for these chains. They overhaul the hydraulic system, and overhaul the transmission of rear-ends.

The sweeper repair shop employees replace plugs, points, condensers, and "tune" the sweepers. They clean and adjust plugs and points. In the snow season they repair the snowfighting equipment in the area.

Every two weeks a complete grease and oil change is performed, including filter replacement, and steam cleaning of entire vehicle (inside and out) is made.

3. The Forest Hills garage is a one story building of approximately 8,400 sq. ft. Specifically the shop personnel grease cars, trucks, tractors, and other automotive equipment; they check transmissions and differentials for proper lubrication, and change the grease. In general this garage is used for ordinary repair work to all types of vehicles, as well as lubrication and the dispensing of gasoline and oil.

4. The Hancock Street garage is a one story building with a floor area of 8,800 sq. ft., and is utilized for general repair work to all types of vehicles, and lubrication and dispensing of gasoline and oil. In essence this garage performs similar functions in Area 3 as does the Forest Hills garage in Area 2.

A number of special jobs are sent to outside repair shops. These are jobs which the garages lack the facilities to do themselves, or which it is believed, because of their particular nature, can be handled more economically or efficiently by firms which specialize in the work. A list of these repair jobs which are performed outside would normally include the below-mentioned:

- (a) Radiator repairs
- (b) Glass work
- (c) Some ignition work (e.g. magnetos, distributors, etc.)
- (d) Rebuilding of motors
- (e) Spring repairs
- (f) Starter motors
- (g) Upholstering work

#### WELDING REPAIR SECTION

The Welding Repair Section is divided into two locations:

1. Albany Street welding repair section, and
2. Dana Avenue welding repair section.

1. The Albany Street welding repair section is responsible for the mechanical welding, and blacksmith repairs to street sweepers, brooms and runners; the maintenance of snow plows (approximately 300 snow plows and frames are installed on city trucks and contractor's equipment); the care and maintenance of disposal boxes.

The repair shop personnel lay out, cut and fit materials for welding; pre-heat and clean metals; perform auto body repair work of all types, including straightening, grinding, and welding. The shop personnel install plow frames, pumps, and rams, as well as repairing and replacing of same. They weld grouzer bars on bulldozers, repair and extend blades on bulldozers, and make all types of brackets and clamps for all the divisions of the department.

Considerable repair work is performed for divisions of the department; repair of pumps and screens for the Sewer Division; repairing pipes, burning joints, cutting of bolts, repairing of gate and shut-off wrenches for the

Water Division; welding parts for cranes and stabilizing bars for the Sanitary Division (incinerator), and repairing signs and fences for the Highway Division.

2. The Dana Avenue welding repair section welds, heats, and straightens all types of department-owned vehicles; spray painting, steam cleaning, sanding, chipping on all department vehicles are performed here. Lettering and installing decals on the equipment is done here.

This shop is engaged in the repair and maintenance of motor vehicles, heavy equipment, street sweepers, snow removal equipment, and the welding, straightening, and grinding of auto bodies, parts, and equipment.

This repair shop is used for general repair work to all types of vehicles; as well as lubrication and the dispensing of gasoline.

### BUILDING MAINTENANCE SECTION

The Building Maintenance Section is located at the Albany Street garage. This section maintains the buildings and related property of the department; constructs and repairs barriers, disposal boxes, and signs; erects fences and platforms, remodels offices, etc.

The shop personnel build signs for all types of work, such as: "No Parking" for street cleaning and snow removal signs. This shop repairs oak decks on low bed trailers, also wooden sills on all trucks; repairs all damage caused by city vehicles (carpentry); erects and repairs Pitometer houses for the Water Division Pitometer survey; builds and remodels walls and partitions in all Public Works Department offices; constructs wood forms for concrete blocks, foundations, footings and walls; crates all types of heavy machines to be transported; keeps in repair approximately 1,000 feet of chain link fence.

### COMMUNICATIONS CENTER

The purpose of the Communications Center (which is now located in City Hall) is to be in constant contact with the vehicles which are equipped as mobile stations.

The radio system is designed with three objectives in mind:

1. To furnish the Public Works Department with the best radio communication possible.
2. To increase the efficiency of the Public Works Department.
3. To save the taxpayers money by eliminating the needless use of labor time.

The center operates twenty-four hours a day and seven days a week. A closed circuit teletype system and base radio station is installed in ten Highway Division yards linking these districts with their vehicles and the central snow removal office at Albany Street. In case of power failure at the main base station the auxiliary unit at Albany Street would be activated. The need for the main base is to provide an overall coverage to the mobile units and the ten stations.

We have been notified of the loss of the Albany Street garage to the Boston Redevelopment Authority. In conjunction with this loss, the Public Works Department has been allocated \$4,000,000 for the construction of a new garage at Access Road, Boston.



TABLE 7  
SUMMARY OF APPROPRIATIONS, EXPENDITURES, AND BALANCES, DECEMBER 31, 1969

	Carried Forward	1969 Appropriations	Transfers	Revenue Received	Total Amount Available	1969 Expenditure	Unexpended Balance	Unliquidated Encumb. & Carry Forward	Unencumb. Balance
General Budget.....	\$496,063	\$16,398,038	\$486,000*	\$8,922,220	\$16,340,029	\$14,967,310	\$1,372,719	\$912,798	\$459,921†
Water Division.....	285,914	4,650,028	68,072	3,267,765	9,208,134	10,817,736	1,609,602	614,004	2,223,606
Sewer Division.....	10,584	1,302,290			3,278,349	4,356,530	1,078,181	8,491	1,086,672
Snow Removal.....		2,375,000			2,375,000	2,302,977	72,023	—	72,023
Bridge Loan.....	777,552	2,000,000			2,777,552	501,603	2,275,949	322,346	1,953,603
Sidewalk Loan.....	1,523,519				1,523,519	476,173	1,047,346	288,867	758,479
Sewerage Loan.....	1,982,105	1,500,000			3,482,105	1,497,253	1,984,852	956,021	1,028,831
Public Ways Loan.....	2,412,475	4,000,000		249,071	6,661,546	2,980,910	3,680,696	2,289,856	1,390,840
Highway Chapter 782.....	21,540				21,540	—	21,540	6,906	14,634
Highway Chapter 822.....	56,519				56,519	—	56,519	56,519	—
Highway Chapter 679.....	161,281				161,281	—	161,281	57,898	103,383
Highway Chapter 616.....	1,122,141				1,122,141	820,907	301,234	298,724	2,510
Water Mains Loan.....	2,300,000				2,300,000	459,205	1,840,795	1,082,494	758,301
Construction of Building, Incinerator.....	7,918				7,918	—	7,918	326	7,592
Construction of Building, Loop.....	620,801				620,801	320,801	300,000	—	300,000
Construction of Building, Gibson Street.....		300,000			300,000	—	300,000	—	300,000
Other Department Revenue.....				592,372†					
Totals.....	\$11,778,412	\$26,573,038	\$554,072	\$12,439,056	\$50,236,434	\$39,501,405	\$10,735,089	\$6,895,250	\$3,839,839

\* Transferred to Fire Department.

† Deposited in General Fund, not added to Total.

‡ Transferred to Veterans Services, \$424,483, Hospital and Insurance, \$35,349.

**APPENDIX B****ENGINEERING DIVISION**

**TABLE 1 — Contracts Advertised**

**TABLE 2 — Survey Section Work**

## ENGINEERING DIVISION

## DESIGN SECTION

The Design Section, under the supervision of the Associate Civil Engineer, performed the following types of work in 1969:

Plans, profiles, estimates, specifications, and contract documents needed for planned construction or reconstruction of highway, bridge, sewer and water facilities.

Cloth tracings for new street layouts, specific repairs, widenings, discontinuances, easements, assessments, and specialized plans for various departments, all as required for recording in Registry.

Assessment plans needed by Public Improvement Commission for proposed sewer, water and street betterments.

A variety of plans, maps, and charts required for general purposes in the operation of the department.

Reviewed plans and consulted with various agencies such as the Boston Redevelopment Authority, the Massachusetts Bay Transportation Authority, the Commonwealth of Massachusetts, the Department of Public Works, the Commonwealth of Massachusetts Metropolitan District Commission, and others in matters concerning proposed sewer, water, and highway projects affecting the City of Boston.

A detailed breakdown of the work done by the Design Section included the following:

Completion of 150 construction and/or reconstruction plans for highway projects.

The design, drawing, and tracing of twelve sewerage works projects and the design, drawing, and tracing of twenty-four water works projects.

Thirty street grades designed.

Twenty streets having inadequate drainage studied and redesigned to improve the drainage.

Thirty-five engineering studies and estimates furnished in connection with proposed sewer and water work.

Twenty-four sewerage works reports prepared in connection with requests for approval sent to the MDC.

Eight tracings of sewer easements and assessment plans.

Twenty-seven tracings of miscellaneous sidewalk and street assessment plans, discontinuances, and land plans.

Fifty tracings of specific repairs, widenings, and relocations.

Thirty cost estimates furnished in connection with proposed street developments.

Four major drainage areas investigated, Brook Farm Brook, Colburn Street Brook, Saw Mill Brook, and Canterbury Brook.

Reviewed plans and layouts of sewerage and water works in seven BRA redevelopment areas — Washington Park, South Cove, Government Center, Fenway, Waterfront, Central Business District, and Charlestown.

Reviewed plans for sewerage and water works for various expressways, Inner Belt, I-93, I-495, southwest and the MBTA extensions.

The lettering of numerous cards, tags, and file identification labels for other divisions and sections to assist in setting up files in the new City Hall.

The Design Section assisted in accomplishing the surface coating of 328 streets by preparing appropriate charts, maps, and plans for this project.

Made studies and supplied designs of installations necessary for improvements to traffic channelization at various intersections in the city.

Completed the design, plans, specifications, and contract documents required for advertising forty-one Public Works contracts for various sewer, water, highway, and miscellaneous works.

These contracts are listed below in the chronological order of their advertising.

TABLE 1  
CONTRACTS ADVERTISED  
RECONSTRUCTION

STREET	District	Length in feet	Cost	Date, Bid Opening * Estimate † Bid
Congress Street and Franklin Street .	1	Corner Cutback		3/27/1969 *\$9,500 †\$9,349
East Second Street .	5	2,601	\$87,097	5/15/1969
East Fifth Street .	5	3,261	104,416	
Linden Street .	5	335	10,850	*\$273,200
Old Harbor Street .	5	1,425	29,204	†\$255,759
Aldrich Street .	6	2,230	50,062	5/22/1969
Alleyne Street .	6	745	31,021	
Chisholm Road .	6	764	16,477	
Chisholm Terrace .	6	136	33,010	*\$190,500
Durnell Avenue .	6	1,955	19,671	†\$174,208
Kenneth Street .	6	943	7,531	
Rickerhill Road .	6	312	26,167	
Vershire Street .	6	654	3,440	
Centre Avenue .	7	500	10,990	6/26/1969
Centre Street .	7	2,890	66,755	
Hannon Street .	7	535	10,142	*\$184,500
Nelson Street .	7	1,090	14,600	†\$184,977
Stockton Street .	7	1,270	38,049	
Tremlett Street .	7	1,355	41,028	



## RECONSTRUCTION — Continued

	STREET	District	Length in feet	Cost	Date, Bid Opening * Estimate † Bid
	East Sixth Street .	.	2,772	\$105,095	7/24/1969
	Lark Street .	5	165	4,376	*\$170,500
	Loring Street .	5	355	9,231	†\$167,838
	Mercer Street .	5	515	15,896	
	Winfield Street .	5	270	5,047	
	Dewar Street .	3	220	4,587	
	Normandy Street .	3	1,000	13,591	
	Summer Street .	3	560	12,358	
	Cedar Grove Street	7	605	14,412	8/7/1969
	Everdeen Street .	7	550	10,596	
	Flavia Street .	7	490	10,142	*\$139,500
	Lonsdale Street .	7	1,650	35,232	†\$139,716
	Port Norfolk Street	7	1,050	22,641	
	Saranac Street .	7	480	7,480	
	Tilesboro Street .	7	486	6,587	
	Westglow Street .	7	1,630	32,263	
	Arlington Street	8	400	\$12,795	9/25/1969
	Dedham Street .	8	600	21,484	
	Edith Street .	8	220	5,320	*\$241,000
	Faraday Street .	8	930	29,710	†\$205,254
	Garfield Avenue	8	800	31,832	
	Glenwood Avenue	8	625	24,310	
	Hyde Park Avenue	8	300	15,958	
	Norton Street .	8	1,200	46,847	
	Pond Street .	8	740	16,934	

"SPECIAL" CONSTRUCTION											
Widett Circle .	.	.	.	.	.	.	.	.	.	4,165	8/21/1969
Foodmart Road .	.	.	.	.	.	.	.	.	.	1,120	*\$344,515 †\$337,215
Braewood Street .	.	.	.	.	.	.	.	.	.	440	8/14/1969
Dedham Street .	.	.	.	.	.	.	.	.	.	720	
Raynes Road .	.	.	.	.	.	.	.	.	.	220	*\$205,600
Thompson Street .	.	.	.	.	.	.	.	.	.	590	†\$203,310
Cowing Street .	.	.	.	.	.	.	.	.	.	420	
Ellswood Street .	.	.	.	.	.	.	.	.	.	325	
Sunnett Avenue .	.	.	.	.	.	.	.	.	.	510	
Sunset Hill Road .	.	.	.	.	.	.	.	.	.	890	
Tappan Avenue .	.	.	.	.	.	.	.	.	.	200	
Harvard Terrace .	.	.	.	.	.	.	.	.	.	285	
Menton Street .	.	.	.	.	.	.	.	.	.	341	
Beaver Street .	.	.	.	.	.	.	.	.	.	520	9/11/1969
Beechmont Terrace .	.	.	.	.	.	.	.	.	.	580	
Bradlee Court .	.	.	.	.	.	.	.	.	.	230	*\$126,000
Bremen Terrace .	.	.	.	.	.	.	.	.	.	190	†\$140,332
Crosstown Avenue .	.	.	.	.	.	.	.	.	.	291	
Seattle Street .	.	.	.	.	.	.	.	.	.	375	
Deuar Street .	.	.	.	.	.	.	.	.	.	385	
STREET LIGHTING CONTRACT											
Blue Hill Avenue .	.	.	.	.	.	.	.	.	.	10	9/4/1969
											*\$56,000 †\$79,595
SIDEWALK RECONSTRUCTION											
Brimmer Street.	.	.	.	.	.	.	.	.	.	1,100	5/1/1969
Hancock Street.	.	.	.	.	.	.	.	.	.	880	*\$212,200
Mt. Vernon Street	.	.	.	.	.	.	.	.	.	2,650	†\$217,391

## SIDEWALK RECONSTRUCTION—Continued

	STREET	District	Length in Feet	Cost	Date, Bid Opening * Estimate † Bid
Ames Street .	.	.	.	.	5/1/1969
Westview Street .	.	7	1,080	\$26,455	
Chamberlain Street	.	7	1,320	23,525	
Geneva Avenue	.	3	480	9,642	*\$175,600
Lingard Street .	.	3	3,100	52,208	†\$164,641
Ronan Street .	.	3	500	12,924	
Westville Street	.	3	370	4,309	
	.	3	2,800	45,579	
Charles Street .	.	1	1,650	88,000	6/12/1969
	.	.	.	*\$88,000	
	.	.	.	†\$105,147	
Blackinton Street	.	9	255	4,853	7/3/1969
Byron Street .	.	9	960	24,090	*\$50,500
Princeton Street	.	9	370	9,705	†\$50,898
Walley Street .	.	9	700	8,851	
Boylston Street.	.	1		46,500	7/29/1969
	.	.	.	*\$46,500	
	.	.	.	†\$48,594	
Bennington Street	.	9	1,300	29,673	9/18/1969
	.	.	.	*\$29,700	
	.	.	.	†\$27,266	
Child Street .	.	8	1,240	26,650	10/30/69
Churchill Road	.	8	450	4,954	*\$92,300
Dale Street .	.	8	1,100	25,665	†\$86,640
Perham Street .	.	8	1,180	27,735	
Tobin Road .	.	8	370	4,859	

SEWER AND WATER WORK				
Brushwood Circle	.	.	.	8
Bradstone Street	.	.	.	10
Hemenway Street	.	.	.	10
Millstone Road	.	.	.	8
Seattle Street	.	.	.	4
Toppan Avenue	.	.	.	6
Westbrook Street	.	.	.	9
Ridgecrest Terrace	.	.	.	6
SEWER WORKS				
Brook Farm Brook	.	.	.	6
				Relocating existing brook, 80 feet of 48-inch pipe and 400 tons of riprap
				*\$129,500
				†\$72,700
Fulton Place	.	.	.	1
				321 feet of sewer, 2 manholes, 1 catch basin
				*\$28,000
				†\$24,315
Everett Street	.	.	.	9
				1,752 feet of sewer, 11 manholes
				*\$98,000
				†\$81,826
Kevin's Wharf	.	.	.	5
				323 feet of sewer, 1 sewer manhole
				*\$15,500
				†\$12,850
WATER WORKS				
Emergency Excavation	.	.	.	1
Emergency Excavation	.	.	.	9
Emergency Excavation	.	.	.	10
Emergency Excavation	.	.	.	2
				Water services in Area I
				*\$62,500
				Water services in Area II
				*\$82,500

## WATER WORKS — Continued

























STREET	District	Work	*Estimate †Bid	Date, Bid Opening
Emergency Excavation . . . . .	3	Water services in Area III	*\$35,500	2/13/1969
Glendower Road . . . . .	6	Relay 2,085 feet of pipe, set 6 gates	*\$41,615	5/29/1969
Hardwick Street . . . . .	4		†\$46,069	
Waterloo Street . . . . .	3			
Baker Court . . . . .	3			
Hampton Street . . . . .	10	Relay 3,265 feet of pipe, 8 gates and 4 hydrants.	*\$75,080	6/5/1969
Warren Place . . . . .	10		†\$92,970	
Willow Court . . . . .	3			
Parkside Drive . . . . .	2	500 feet of pipe, 3 gates, 1 hydrant	*\$8,300	6/12/1969
			†\$8,170	
Canal Street . . . . .	1	Contract cancelled		
Devon Street . . . . .	3	Relay 4,070 feet of pipe and 13 gates	*\$101,850	7/10/1969
Minot Street . . . . .	7		†\$103,974	
Quincy Street . . . . .	10			
Gardner Street . . . . .		Lay 1,800 feet of pipe, 1 gate, 1 hydrant	*\$7,500	6/26/1969
			†\$7,318	
Atlantic Street . . . . .	5			
Dorchester Street . . . . .	5			
East Berkeley Street . . . . .	1			
East Fourth Street . . . . .	5			
East Third Street . . . . .	5	Cleaning and lining	*\$108,300	7/3/1969
West Fourth Street . . . . .	5		†\$139,497	
Frontage Road . . . . .	5	1,685 feet of pipe, 3 gates, 1 hydrant	*\$42,000	1/8/1969
	10		†\$38,435	



SEWER AND WATER WORK (WASHINGTON PARK)				
Schuyler Street . . . . .	.	.	10	4,232 feet of sewer, 29 sewer manholes, 4,360 feet of drain, 26 sewer drain manholes, 12,570 feet of water, 7 catch basins, 40 gates, and 2 hydrants
Abbotsford Street . . . . .	.	.	10	*\$490,500
Elm Hill Avenue . . . . .	.	.	10	†\$515,018
Harold Street . . . . .	.	.	10	2/27/1969
Hartwell Street . . . . .	.	.	10	
Hutchings Street . . . . .	.	.	10	
Nazing Street . . . . .	.	.	10	
Ruthven Street . . . . .	.	.	10	
Townsend Street . . . . .	.	.	10	
Walnut Avenue . . . . .	.	.	10	
Walnut Park . . . . .	.	.	10	
HIGHWAY AND SEWER WORK, RECONSTRUCTION (WASHINGTON PARK)				
Circuit Street . . . . .	.	.	10	Highway and construction and 169 feet of drain, 11 catch basins and 3 manholes.
Crispus Attucks Place . . . . .	.	.	10	*\$192,000
Fenwick Place . . . . .	.	.	10	†\$191,149
Hulbert Street . . . . .	.	.	10	6/12/1969
HIGHWAY AND WATER WORK (WASHINGTON PARK)				
Harold Park . . . . .	.	.	10	Highway construction and reconstruction, also 23 catch basins and hydrants.
Humboldt Avenue . . . . .	.	.	10	*\$646,347
Townsend Street . . . . .	.	.	10	†\$676,528
Harold Street . . . . .	.	.	10	9/4/1969
Walnut Avenue . . . . .	.	.	10	
WATER AND SEWER WORK (GOVERNMENT CENTER)				
Tremont Street . . . . .	.	.	1	1,013 feet of water, 328 feet of sewer, and 165 feet of drain, 2 sewer manholes, 1 drain manhole, 1 catch basin, 11 gates, 2 hydrants
Washington Street . . . . .	.	.	1	*\$171,055
State Street . . . . .	.	.	1	†\$207,047
				5/29/1969†
				7/10/1969†

†Contract advertised May 29, 1969, cancelled after bid — Cornhill Street deleted and contract readvertised on July 10, 1969.

ANNUAL REPORT ————— COMPARISON CHART —————  
 ENGINEERING DIVISION ————— SURVEY SECTION

Profile & Survey for Layout	1968	
	1969	
Points for Construction	1968	
	1969	
Marking Line & Grade	1968	
	1969	
Grades Established	1968	
	1969	
Stone Bounds Drilled	1968	
	1969	
Chapter 90 Surveys	1968	
	1969	
Discontinuance Plans & Surveys	1968	
	1969	
Widenings & Relocations	1968	
	1969	
Engineering Reports	1968	
	1969	
Street Reconstruction	1968	
	1969	
S. W. Reconstruction	1968	
	1969	
Miscellaneous	1968	
	1969	

## TABLE 2

## ENGINEERING DIVISION

## SURVEY SECTION WORK

## PROFILES AND SURVEY FOR LAYING OUT

	Length in Feet
Raynes Road, Hyde Park . . . . .	250
Newfield Street, West Roxbury . . . . .	300
Canterbury Street, West Roxbury . . . . .	6,250
Organ Park Street, West Roxbury . . . . .	700
Fairmount Terrace, Hyde Park . . . . .	450
Cowing Street, West Roxbury . . . . .	800
Moreland Street, West Roxbury . . . . .	1,000
Farrington Street, Hyde Park . . . . .	400
Potomac Street, West Roxbury . . . . .	400
Gordon Avenue, Hyde Park . . . . .	1,000
Loring Street, South Boston . . . . .	400
Hamilton Street, Hyde Park . . . . .	630
Furnival Road, West Roxbury . . . . .	350
Edgemere Road, West Roxbury . . . . .	1,200
Waterloo Street, Hyde Park . . . . .	450
1100 V.F.W. Parkway, West Roxbury . . . . .	700
Sunset Hill Road, West Roxbury . . . . .	400
Charles Street, Hyde Park . . . . .	950
Charles Street, Boston Proper . . . . .	1,680
Ridgeway Lane, Boston Proper . . . . .	580
Newbury Street, Boston Proper . . . . .	400
West Boundary Road, West Roxbury . . . . .	3,800
Dartmouth Street, Boston Proper . . . . .	580
Commonwealth Avenue, Boston Proper . . . . .	200
Marlborough Street, Boston Proper . . . . .	200
Beacon Street, Boston Proper . . . . .	400
Exeter Street, Boston Proper . . . . .	600
Boylston Street, Boston Proper . . . . .	2,200
Commercial Street, Boston Proper . . . . .	150
Coleman Street, Boston Proper . . . . .	500
St. Alphonsus Street, West Roxbury . . . . .	500
Frontage Road, South Boston . . . . .	200

## POINTS FOR CONSTRUCTION

Lincoln Street, Brighton . . . . .	200
Ridgecrest Drive, West Roxbury . . . . .	400
Ridgecrest Terrace, West Roxbury . . . . .	440
Blossom Street, Boston Proper . . . . .	800
George Street, Hyde Park . . . . .	800
Sunset Hill Road, West Roxbury . . . . .	800

	Length in Feet
Braewood Road, Hyde Park . . . . .	400
Cowing Street, West Roxbury . . . . .	800
Brooks Street, Brighton . . . . .	400
Vershire Street, West Roxbury . . . . .	400
Alleyne Street, West Roxbury . . . . .	600
Wirt Street, Brighton . . . . .	400
Crosstown Avenue, West Roxbury . . . . .	450
Ellswood Road, West Roxbury . . . . .	400
Thompson Street, Hyde Park . . . . .	1,700
Dedham Street, Hyde Park . . . . .	1,300
Harvard Terrace, Brighton . . . . .	200
Sammett Avenue, West Roxbury . . . . .	600
Toppa Avenue, West Roxbury . . . . .	200
Beechmont Terrace, Hyde Park . . . . .	600
Menton Road, Dorchester . . . . .	300
Bradlee Court, Hyde Park . . . . .	250
Aldrich Street, West Roxbury . . . . .	900
Durland Street, Brighton . . . . .	200

## MARKING LINE AND GRADE

Pleasant Street, Charlestown . . . . .	545
Rutherford Avenue, Charlestown . . . . .	600
Washington Street, Charlestown . . . . .	600
Hunter Street, Charlestown . . . . .	160
Wapping Street, Charlestown . . . . .	230
Water Street, Charlestown . . . . .	180
Park Street, Charlestown . . . . .	320
Henley Street, Charlestown . . . . .	130
Monument Square, Charlestown . . . . .	500
Monument Square, Charlestown . . . . .	500
Monument Square, Charlestown . . . . .	500
Monument Square, Charlestown . . . . .	500
Tremont Street, Charlestown . . . . .	365
Chelsea Street, Charlestown . . . . .	360
Dunboy Street, Brighton . . . . .	—
Whittemore Street, West Roxbury . . . . .	—
Park Street, Dorchester . . . . .	—
City Hall Avenue, Boston Proper . . . . .	—
Potomac Street, West Roxbury . . . . .	—
Sammett Avenue, Hyde Park . . . . .	—
Toppa Avenue, Hyde Park . . . . .	—
Cummins Highway, Dorchester . . . . .	1,000
Pinefield Road, Hyde Park . . . . .	100
Northern Avenue, Boston Proper . . . . .	200

Length  
in Feet

Cambridge Street, Boston Proper . . . . .	—
Canaan Street, Dorchester . . . . .	—
Colorado Street, Dorchester . . . . .	—
Almont Street, Dorchester . . . . .	4,000
Savannah Avenue, Dorchester . . . . .	—
Pine Road, Hyde Park . . . . .	600
Gardner Street, Dump, West Roxbury . . . . .	7,000
Hamilton Street, Hyde Park . . . . .	630
Richwood Street, West Roxbury . . . . .	200
West Boundary Road, West Roxbury . . . . .	3,400
Beacon Street, Boston Proper . . . . .	400
Harvard Square, Charlestown . . . . .	340
Harvard Street, Charlestown . . . . .	720
Main Street, Charlestown . . . . .	740
Warren Street, Charlestown . . . . .	720
Decatur Street, Charlestown . . . . .	1,000
Vine Street, Charlestown . . . . .	380
Moulton Street, Charlestown . . . . .	170
Chelsea Street, Charlestown . . . . .	1,020
Medford Street, Charlestown . . . . .	380
Henley Street, Charlestown . . . . .	200
Winthrop Street, Charlestown . . . . .	145

## GRADES ESTABLISHED

Crosstown Avenue, West Roxbury . . . . .	1,500
Fairmount Terrace, Hyde Park . . . . .	300
Cowing Street, West Roxbury . . . . .	375
Pine Avenue, Hyde Park . . . . .	600
Danny Road, Hyde Park . . . . .	450
Waterloo Street, Hyde Park . . . . .	450
Potomac Street, West Roxbury . . . . .	275
Newfield Street, West Roxbury . . . . .	250
Sunset Hill Road, West Roxbury . . . . .	250
Coleman Street, Hyde Park . . . . .	475
Forest Hills Street, West Roxbury . . . . .	250
Park Street, Dorchester . . . . .	—
Woodley Avenue, West Roxbury . . . . .	420
Griggs Place, Brighton . . . . .	500
Winchester Terrace, West Roxbury . . . . .	285
Lathrop Place, Boston Proper . . . . .	120
Ada Street, West Roxbury . . . . .	400
Moreland Street, West Roxbury . . . . .	660
Farrington Street, Hyde Park . . . . .	250
Walnut Street, West Roxbury . . . . .	250
Cottage Street, South Boston . . . . .	250

## SURVEYS FOR RECONSTRUCTIONS

	Length in Feet
*Charles Street, Boston Proper . . . . .	1,360
North Anderson Street, Boston Proper . . . . .	320
Pond Street, Hyde Park . . . . .	740
Hyde Park Avenue, Hyde Park . . . . .	350
Faraday Street, Hyde Park . . . . .	950
Dartmouth Street, Boston Proper . . . . .	580
West Fourth Street, South Boston . . . . .	520
B Street, South Boston . . . . .	600
West Eighth Street, South Boston . . . . .	1,350
Ridgeway Lane, Boston Proper . . . . .	580
Exeter Street, Boston Proper . . . . .	600
Boylston Street, Boston Proper . . . . .	2,200
*Walley Street, East Boston . . . . .	310
Arlington Street, Hyde Park . . . . .	400
Columbus Avenue, Boston Proper . . . . .	500
Atlantic Street, South Boston . . . . .	310
Loring Street, Hyde Park . . . . .	330
*Princeton Street, East Boston . . . . .	350
*Kirkwood Street, Brighton . . . . .	1,000
*Braintree Street, Brighton . . . . .	1,400
Saranac Street, Dorchester . . . . .	500
Port Norfolk Way, Dorchester . . . . .	1,050
Hubbard Street, West Roxbury . . . . .	450
Tyler Street, Hyde Park . . . . .	780
Vassar Street, Dorchester . . . . .	700
Cummings Street, Brighton . . . . .	850
Colwell Avenue, Brighton . . . . .	150
Antwerp Street, Brighton . . . . .	2,000
West Ninth Street, South Boston . . . . .	1,250
Grove Street, Boston Proper . . . . .	600
Thomas Street, West Roxbury . . . . .	500
Richwood Street, West Roxbury . . . . .	900
*Beacon Street, Boston Proper . . . . .	1,500
*Brighton Avenue, Brighton . . . . .	3,200
National Street, South Boston . . . . .	450
East Fourth Street, South Boston . . . . .	670
Corey Street, West Roxbury . . . . .	760
Whitcomb Street, West Roxbury . . . . .	1,840
Durham Street, Boston Proper . . . . .	350
Newcastle Road, Brighton . . . . .	800
Hamilton Street, Hyde Park . . . . .	630
Ethel Street, West Roxbury . . . . .	300
*Shawsheen Road, East Boston . . . . .	410

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\*Sidewalk reconstruction only.



STONEBOUNDS DRILLED	Number Drilled
Vogel Street, West Roxbury . . . . .	8
Monterey Street, Dorchester . . . . .	6
Belle Avenue, West Roxbury . . . . .	9
Northdale Terrace, West Roxbury . . . . .	7
Partridge Street, West Roxbury . . . . .	12
Maplewood Street, West Roxbury . . . . .	15
Searle Road, West Roxbury . . . . .	2
Maria Lane, West Roxbury . . . . .	7
Rowley Street, Dorchester . . . . .	3
Patterson Street, Dorchester . . . . .	2
Hazelmere Road, West Roxbury . . . . .	4
Hackensack Court, West Roxbury . . . . .	4
Hackensack Terrace, West Roxbury . . . . .	8
Itasca Street, Dorchester . . . . .	14
St. Theresa Street, West Roxbury . . . . .	9
Stone Terrace, Dorchester . . . . .	2
Sefton Street, Dorchester . . . . .	8
Buckingham Street, Hyde Park . . . . .	4
Cromwell Road, Hyde Park . . . . .	4
Collins Street, Hyde Park . . . . .	6
Bradlee Street, Hyde Park . . . . .	6
Parkson Street, Hyde Park . . . . .	12
Rainier Road, Dorchester . . . . .	1
Macullar Road, West Roxbury . . . . .	7
Langley Road, Brighton . . . . .	1
Hallet Davis Street, Dorchester . . . . .	3
Freeport Way, Dorchester . . . . .	6
Manchester Street, Dorchester . . . . .	2
Holly Road, West Roxbury . . . . .	7
Maida Terrace, Hyde Park . . . . .	5
Copenger Street, Roxbury . . . . .	2
Westbourne Terrace, Brighton . . . . .	2
Tracton Avenue, Hyde Park . . . . .	1
Mt. Washington Avenue, South Boston . . . . .	2
Kittredge Court, West Roxbury . . . . .	2
Westminster Street, Hyde Park . . . . .	3
Gerrish Street, Brighton . . . . .	3
Corman Road, Dorchester . . . . .	11
Mattapan Street, Dorchester . . . . .	4
Rockwood Terrace, West Roxbury . . . . .	3
Ralston Road, Dorchester . . . . .	7
Ralwood Road, Dorchester . . . . .	5
Ranley Road, Dorchester . . . . .	4
Evansdale Terrace, Dorchester . . . . .	4
Rugdale Road, Dorchester . . . . .	16
Willow Avenue, West Roxbury . . . . .	5
Savannah Street, Dorchester . . . . .	2
Crossman Street, Dorchester . . . . .	4

## CHAPTER 90 SURVEYS

	Length in Feet
River Street, Hyde Park . . . . .	5,500
Beacon Street, Brighton . . . . .	2,200
Weld Street, West Roxbury . . . . .	1,370
Canterbury Street, West Roxbury . . . . .	6,250
Forest Hills Street, West Roxbury . . . . .	3,000

## SPECIFIC REPAIRS PLANS (TRAFFIC ISLANDS)

Arlington Square, Boston Proper, Tremont Street and Arlington Street  
 Hyde Park Avenue, Hyde Park, Thatcher Street and Greenwood Street  
 Amy Court, Boston Proper, at Martha Road  
 Beacon Street, Brighton, at Reservoir Road  
 Cambridge Street, Boston Proper, Sudbury Street to Charles Street Circle  
 Bowdoin Street, Dorchester, at Adams Street  
 High Street, Boston Proper, at Oliver Street  
 Pierce Square, Dorchester, River Street and Dorchester Avenue  
 High Street, Boston Proper, at Purchase Street  
 Congress Street, Boston Proper, at Purchase Street

## SEWER EASEMENTS AND ASSESSMENT PLANS

	Length in Feet
Ridgecrest Terrace, West Roxbury . . . . .	440
Parkside Drive, West Roxbury . . . . .	400

## DISCONTINUANCE PLANS AND SURVEYS

Milk Street, Boston Proper . . . . .	50
Christopher Street, Dorchester . . . . .	700
West Howell Street, Dorchester . . . . .	400
Haverhill Street, Boston Proper . . . . .	300

## WIDENINGS AND RELOCATIONS

St. Mary's Street, Boston Proper . . . . .	100
Mountford Street, Boston Proper . . . . .	300
Forest Hills Street, West Roxbury . . . . .	400

## CODE ENFORCEMENT — STREET INSPECTIONS

Area No. 1	16.7 miles — West Roxbury
Area No. 2	11.4 miles — Dorchester

## MISCELLANEOUS

	Length in Feet
Various court appearances for city. . . . .	30 ±
Accident plans for Law Department . . . . .	5

## EMINENT DOMAIN AND TAKING PLANS

East Fourth Street, South Boston from I Street to K Street

## ENGINEERING REPORTS

Carroll Street, West Roxbury  
 River Street, Hyde Park  
 Joy Street, Boston Proper  
 North Anderson Street, Boston Proper  
 Parkman Street, Boston Proper  
 Scotia Street, Boston Proper  
 Bradshaw Street, Dorchester  
 Algonquin Street, Dorchester  
 Stanwood Street, Roxbury  
 Normandy Street, Dorchester  
 Tudor Street, West Roxbury  
 Corey Road, West Roxbury  
 Shawsheen Road, East Boston  
 Byron Street, East Boston  
 Goodridge Street, West Roxbury  
 Toledo Terrace, Dorchester  
 George Street, West Roxbury  
 Pacific Street, South Boston  
 Lanark Road, Brighton  
 Livermore Street, Dorchester  
 Lafield Street, Dorchester  
 Adams Street, Dorchester  
 Vermont Street, West Roxbury  
 Oakdale Street, West Roxbury  
 Mt. Vernon Park, Dorchester  
 Corey Street, Brighton  
 Beacon Street, Brighton  
 Hubbardston Street, West Roxbury  
 Enterprise Street, South Boston  
 Dent Street, West Roxbury  
 Brighton Avenue, Brighton  
 Margo Road, Brighton  
 Chester Street, Roxbury  
 Whitcomb Road, West Roxbury  
 Stow Street, West Roxbury  
 Charlemont Street, West Roxbury  
 Manning Street, West Roxbury  
 Everett Street, East Boston  
 Gretter Road, West Roxbury

Eustis Street, Roxbury  
 Mountford Street, Roslindale  
 Whittemore Street, West Roxbury  
 Donna Terrace, Hyde Park  
 Ryder Hill Road, Brighton  
 Vassar Road, Dorchester  
 Bourne Road, West Roxbury  
 Waybourne Road, West Roxbury  
 Willers Street, West Roxbury  
 Baker Street, West Roxbury  
 Parklawn Drive, Hyde Park  
 Exeter Street, Boston Proper  
 Wilson Park, Brighton  
 Sanford Street, Dorchester  
 Calder Street, Dorchester  
 Belgrade Avenue, West Roxbury  
 Beacon Street, Hyde Park  
 Beacon Street, Dorchester  
 Sunset Hill Path, West Roxbury  
 Tobin Road, West Roxbury  
 Westglow Street, Dorchester  
 New Haven Street, West Roxbury  
 Furnival Street, West Roxbury  
 Damon Street, Hyde Park  
 Kirkwood Road, Brighton  
 Colwell Avenue, Brighton  
 Long Avenue, Brighton  
 Braintree Street, Brighton  
 Antwerp Street, Brighton  
 Ridgemont Street, Brighton  
 Eleanor Street, Brighton

#### CODE ENFORCEMENT RECONSTRUCTION SURVEYS

AREA No. 1	Length in Feet
*Armstrong Street, West Roxbury . . . . .	400
*Danforth Street, West Roxbury . . . . .	900
*Forest Street, West Roxbury . . . . .	1,600
*Mozart Street, West Roxbury . . . . .	1,100
*Hoffman Street, West Roxbury . . . . .	200
*St. Peters Street, West Roxbury . . . . .	450
*Sheridan Street, West Roxbury . . . . .	1,650
*Chestnut Street, West Roxbury . . . . .	3,000

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\*Sidewalk reconstruction only.

AREA No. 2							Length in Feet
Alfa Road, Dorchester	.	.	.	.	.	.	640
De Cota Street, Dorchester	.	.	.	.	.	.	1,700
Greenbrier Street, Dorchester	.	.	.	.	.	.	1,440
Iowa Street, Dorchester	.	.	.	.	.	.	240
Larchmont Street, Dorchester.	.	.	.	.	.	.	920
Lincoln Street, Dorchester	.	.	.	.	.	.	320
Lindsey Street, Dorchester	.	.	.	.	.	.	1,000
Marlon Street, Dorchester	.	.	.	.	.	.	328
Park Street, Dorchester	.	.	.	.	.	.	3,300

## APPENDIX C

## HIGHWAY DIVISION

TABLE 1—Cost Summaries of Contracts

TABLE 2—Chapter “90” and “393” Street Construction

TABLE 3—Street Reconstruction

TABLE 4—Patching Contracts

TABLE 5—Bridge Maintenance Work

TABLE 6—Expenditures on Inland Bridges

TABLE 7—Details of Expenditures on Tidewater Bridges

TABLE 8—Waterborne Traffic

TABLE 9—Work Done by Contract

TABLE 10—Street Cleaning Contracts

TABLE 11—Work Done by City Forces

TABLE 12—Patching Quantities

TABLE 13—Mercury Vapor Lighting Projects

TABLE 14—Gas Street Lamps



TABLE 1

**SUMMARY OF COST OF CONTRACT STREET CONSTRUCTION AND  
RECONSTRUCTION WORK PERFORMED IN HIGHWAY DIVISION  
DURING 1969 AND CONTRACTS AWARDED IN 1969 TO BE  
COMPLETED IN 1970**

Chapter 90 Projects . . . . .	\$453,117 70
Chapter 90 Projects Awarded in 1969, To Be Completed in 1970 . . . . .	418,223 00
"393" Streets Constructed . . . . .	877,388 70
Streets Reconstructed . . . . .	2,886,211 37
Awarded in 1969, To Be Completed in 1970 . . . . .	1,353,619 50
	<hr/>
	\$5,988,510 27

**TABLE 2  
STREET CONSTRUCTION  
CHAPTER 90 PROJECTS — 1969**

STREET	Limits	Contract Amount
Harvard Street	Walk Hill Street to Cummins Highway . . . . .	\$155,827 00
Brook Street	Faneuil Street to Riverview Road . . . . .	
North Beacon Street	Vineland Street to Union Square . . . . .	221,412 20
Washington Street	Gallivan Boulevard to Mora Street . . . . .	44,583 00
Church Street and South Street	Weld Street to Boston-Brookline Line . . . . .	31,295 50
Total. . . . .		<hr/> \$453,117 70

**CHAPTER 90 PROJECT AWARDED IN 1969  
TO BE COMPLETED IN 1970**

Commonwealth Avenue	Chestnut Hill Avenue to Newton Line . . . . .	\$418,223 00
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**"393" STREETS CONSTRUCTED IN 1969**

Circuit Street	Walnut Avenue approximately 330 feet westerly . . . . .	
Fenno Street	Walnut Avenue 196 feet easterly . . . . .	
Kensington Park	Rockland Street 230 feet northerly and 200 feet south- erly . . . . .	
Rockland Street	Kensington Park 50 feet westerly . . . . .	
St. Richard Street	Walnut Avenue approximately 350 feet easterly . . . . .	
Walnut Avenue	Rockland Street to Warren Street . . . . .	
Warren Street	Deckard Street to Walnut Avenue . . . . .	\$717,440 00
Carol Circle	Washington Street approximately 450 feet southwest- erly . . . . .	
DeRoma Road	Brier Road approximately 310 feet southwesterly . . . . .	
Fargo Street	B Street to C Street (20 foot widening) . . . . .	
Hardwick Terrace	Hardwick Street approximately 100 feet northeasterly . . . . .	
Manning Street	Mount Calvary Road to public portion . . . . .	
Mattapan Street	Colorado Street to Almont Street . . . . .	
Prospect Circle	Prospect Street approximately 200 feet southerly . . . . .	
Wirt Street	Washington Street to Henshaw Street . . . . .	\$159,898 70
Total . . . . .		<hr/> \$877,338 70

**TABLE 3**  
**STREET RECONSTRUCTION**

STREETS RECONSTRUCTED IN 1969

STREET	Limits	Contract Amount
Batterymarch Street	Water Street to Milk Street	
Kilby Street	State Street to Water Street	
Mason Street	West Street to Avery Street and westerly to Tremont Street	
Milk Street	Pearl Street to Batterymarch Street	
North Hudson Street	Hull Street to Snow Hill Street	
Pearl Street	Franklin Street to Milk Street	
Public Alley 301	River Street to Pinckney Street	
Revere Street	Irving Street to Embankment Road	
River Street	Beacon Street to Public Alley 301 . . . . .	\$151,480 70
Arlington Street	Hyde Park Avenue to River Street	
Caton Street	River Street to Hollingsworth Street	
Collins Street	Hyde Park Avenue to Bradlee Street	
Doncaster Street	Dale Street to Metropolitan Avenue	
George Street	River Street to Danbury Road	
Pierce Street	Fairmount Avenue to Riverside Square	
Thompson Street	Reservation Road 685 feet southwesterly beyond Franklin Street . . . . .	\$218,428 00
Falcon Street	Glendon Street to Border Street	
Faywood Avenue	Crestway Road to Vallar Road	
Gove Street	Frankfort Street beyond Geneva Street	
Jeffries Street	Maverick Street to Marginal Street	
Leyden Street	Boardman Street to Bennington Street	
Porter Street	Chelsea Street to Geneva Street	
New Street	Sumner Street to Maverick Street	
Saratoga Street	Shelby Street to Prescott Street . . . . .	\$253,969 73
Blossom Street	Cambridge Street to Charles Street . . . . .	\$93,757 15
Congress Street	Franklin Street approximately 35 feet northwesterly	
Franklin Street	Congress Street approximately 35 feet southwesterly .	\$9,349 00
Ascot Street	Litchfield Street to Antwerp Street	
Benson Street	Litchfield Street to Antwerp Street	
Cresthill Road	Parsons Street to Parsons Street	
Cygnat Street	Litchfield Street to Antwerp Street	
Durland Street	Hardwick Street to end	
Gardena Street	Market Street to Dustin Street	
Lincoln Street	Widening at Mayflower Street	
Litchfield Street	Lincoln Street to Western Avenue	
Newton Street	Brooks Street approximately 600 feet northwesterly	
Radnor Road	Foster Street to Kirkwood Road	
Saybrook Street	Market Street to Dustin Street	
Williston Road	Corey Road to Brookline Line . . . . .	\$165,688 70
Brimmer Street	Beacon Street to Mt. Vernon Street	
Hancock Street	Mt. Vernon Street to Cambridge Street	
Mt. Vernon Street	Hancock Street to Embankment Road . . . . .	\$217,394 50
Ames Street	Westview Street to approximately 1,000 feet south-easterly	
Chamberlain Street	Harvard Street to Algonquin Street	
Geneva Avenue	Bowdoin Street to Park Street	
Lingard Street	Magnolia Street to Hartford Street	

STREET	Limits	Contract Amount
Ronan Street	Bellevue Street to end	
Westview Street	Blue Hill Avenue to beyond Ames Street	
Westville Street	Bowdoin Street to Corwin Street . . . . .	\$205,802 19
Aldrich Street	Belgrade Avenue to West Roxbury Parkway	
Alleyne Street	Cowing Street to Vershire Street	
Chisholm Road	Poplar Street to Cornell Street	
Chisholm Terrace	Chisholm Road approximately 140 feet northwesterly	
Durnell Avenue	Washington Street to Walworth Street	
Kenneth Street	Beech Street to Stratford Street	
Rickerhill Road	Manthorne Road to Brucewood Street	
Vershire Street	Cowing Street to beyond Alleyne Street . . . . .	\$174,208 25
East Second Street	Dorchester Street to M Street	
East Fifth Street	Farragut Road to K Street	
Linden Street	Thomas Park to East Fourth Street	
Old Harbor Street	Columbia Road to Dorchester Street . . . . .	\$255,756 70
Dabney Street	Fountain Street to Regent Street	
Dale Street	Sherman Street to Warren Street	
Hansford Street	Warren Street to approximately 115 feet westerly	
Catawba Street	Laurel Street to Charlamé Street	
Dale Street	Walnut Avenue to Sherman Street	
Laurel Street	Dale Street approximately 315 feet southwesterly	
Rockland Street	Walnut Avenue to Sherman Street	
Sherman Street	Dale Street to Rockland Street . . . . .	\$273,381 35
Charles Street	Beacon Street to Charles Street Circle . . . . .	\$105,147 50
Centre Avenue	Dorchester Avenue to Centre Street	
Centre Street	Washington Street to Dorchester Avenue	
Hannon Street	Morton Street to Norfolk Street	
Nelson Street	Norfolk Street to Selden Street	
Stockton Street	Washington Street to Milton Avenue	
Tremlett Street	Washington to Waldeck Street . . . . .	\$184,977 00
Circuit Street	Washington Street to Fenwick Place	
Crispus Attucks Place	Washington Street opposite Cedar Street to approximately 400 north of Washington Street	
Fenwick Place	Circuit Street approximately 120 feet westerly	
Hulbert Street	From 93 Regent Street to 113 Regent Street . . . . .	\$191,149 00
Blackinton Street	Bennington Street to Leyden Street	
Byron Street	Saratoga Street to McLellan Highway	
Princeton Street	Shelby Street to Eagle Square	
Walley Street	Bennington Street to Waldemar Avenue . . . . .	\$50,898 50
Cedar Grove Street	Whitridge Street to Hill Top Street	
Everdean Street	Ashland Street to Freeport Street	
Flavia Street	Chickatawbut Street to Oakton Avenue	
Lonsdale Street	Dorchester Avenue to Adams Street	
Port Norfolk Street	Ericcson Street to Water Street	
Saranac Street	Adams Street to Minot Street	
Tilesboro Street	Neponset Avenue to Worrell Street	
Westglow Street	Adams Street to 110 feet east of Forest Avenue . . . . .	\$139,716 10
East Sixth Street	K Street to P Street	
Lark Street	West Eighth Street to West Ninth Street	
Loring Street	West Seventh Street to West Eighth Street	
Mercer Street	Columbia Road to East Eighth Street	
Winfield Street	East Seventh Street to East Eighth Street	

STREET	Limits	Contract Amount
Dewar Street	Dorchester Avenue to Auckland Street	
Normandy Street	Devon Street to Lawrence Avenue	
Sumner Street	Stoughton Street to Annapolis Street . . . .	\$167,838 00
Bennington Street	Harmony Street to Byron Street . . . .	\$27,266 00
Total . . . . .		\$2,886,211 37

## AWARDED IN 1969, TO BE COMPLETED IN 1970

Braewood Street	Braeburn Road to Austin Street	
Dedham Street	150 feet southwest of Franklin Street to 720 feet south- westerly	
Raynes Road	Prospect Street to 220 feet southeasterly	
Thompson Street	From public portion 590 feet southwesterly to end	
Cowing Street	Franclaire Drive to Spinney Street	
Ellsworth Street	Baker Street to 325 feet westerly	
Sammett Avenue	295 feet north of Toppan Avenue to 595 feet southerly	
Sunset Hill Road	West Roxbury Parkway to 890 feet southeasterly	
Toppan Avenue	Charme Avenue to Sammett Avenue	
Harvard Terrace	Harvard Avenue to 290 feet westerly	
Menton Street	Standard Street to Groveland Street . . . .	\$203,316 00
Boylston Street	Dartmouth Street to Clarendon Street	
Dartmouth Street	Boylston Street to St. James Avenue	
St. James Avenue	Dartmouth Street 340 feet easterly . . . .	\$48,594 00
Beaver Street	Cleveland Street 520 feet northeasterly	
Beechmont Terrace	Beechmont Street 620 feet easterly and northeasterly	
Bradlee Court	Bradlee Street 230 feet easterly	
Bremen Terrace	Orchardhill Road 180 feet northerly	
Crosstown Avenue	Salman Street to Vogel Street	
Seattle Street	From 90 feet northwest of Hopedale Street to 375 feet northwesterly	
Dewar Street	Auckland Street to 385 feet easterly . . . .	\$140,332 50
Harold Street	Holworthy Street to Washington Park Boulevard	
Harold Park	Harold Street approximately 200 feet southeast	
Humboldt Avenue	Waumbeck Street to Townsend Street	
Humboldt Avenue	Intersection Humboldt Avenue to Crawford Street	
Townsend Street	Walnut Avenue to Warren Street	
Walnut Avenue	Dennison Street to Washington Park Boulevard . .	\$676,528 00
Blue Hill Avenue	Washington Street to Dudley Street (street lighting)	\$79,595 00
Arlington Street	Hyde Park Avenue to Providence Street	
Dedham Street	Reservation Road 600 feet southwesterly	
Edith Street	Beacon Street to Metropolitan Avenue	
Faraday Street	Truman Highway to Washington Street	
Garfield Avenue	Truman Highway to Loring Street	
Glenwood Avenue	Truman Highway to Loring Street	
Hyde Park Avenue	Millstone Road 300 feet southerly	
Norton Street	Readville Street to River Street	
Pond Street	Highland Street to Williams Street . . . .	\$205,254 00
Total . . . . .		\$1,353,619 50



**TABLE 4**  
**PATCHING CONTRACTS AWARDED IN 1969**

CONTRACT	Contractor	Amount
Repairs to defective sidewalks	D. Cicconi, Inc. . . . .	\$261,365 00
Repairs to roadways	Hot Top Pavements, Inc. . . . .	258,930 00
Asphalt resurfacing of roadways in Area 1	Warren Brothers Company, Inc., Division of Ashland Oil & Refining Company . . . . .	224,145 00
Asphalt resurfacing of roadways in Area 2	Hot Top Pavements, Inc. . . . .	200,450 00
Asphalt resurfacing of roadways in Area 3	Old Colony Construction Company . . . . .	199,350 00
Total . . . . .		

**TABLE 5**  
**BRIDGE MAINTENANCE WORK PERFORMED  
IN 1969**

Alford Street Drawbridge (Charlestown) — Repairs to traffic gates, end locks, trunion bearings, leak in roof, iron fence and surface of counter balancers.

Babson Street (Dorchester) — Repair sidewalk and deck.

Belgrade Avenue (West Roxbury) — Remove broken concrete from railroad tracks.

Bennington Street (East Boston) — Remove damaged iron fence.

Broadway — Repair headers at draw.

Camden Street Footbridge — Repair concrete step.

Central Avenue (Dorchester) — Repair hand railing, sidewalk and deck.

Charlestown — Repair headers at draw.

Chelsea Street Drawbridge (East Boston) — Repair pier and navigation lights, weld deck, buffers, adjust service and emergency brakes, traffic gates, steps to pier, doors and windows.

Clarendon Street — Repairs to hand railing, sidewalk and deck.

Congress Street Drawbridge — Repair roof, doors, windows, weld hand rail and deck.

Cummins Highway (West Roxbury) — Repair iron fence.

Everett Street (East Boston) — Repair barriers, sidewalk and deck.

Fairmount Avenue over Neponset River (Hyde Park) — Repair chain link fence.

Gove Street Footbridge (East Boston) — Repair deck.

Harvard Street (Dorchester) — Weld warning light post.

Ipswich Street — Repairs to pipe hand rail.

Jones Avenue Footbridge (Dorchester) — Repairs to deck and weld chain link fence.

McArdle Drawbridge (East Boston) — Remove, repair and install service and emergency brake assemblies. Repair end locks, traffic gates, emergency gas engine and evaporator.

Massachusetts Avenue (over New York, New Haven and Hartford Railroad near St. Botolph Street) — Paint iron fence.

Northern Avenue Drawbridge — Repair air compressors, air controls, turning engines, end lift and brakes, circulating pumps, sump pump, heaters, gate and pier and navigation lights, sidewalks, decks, piers, hand rails, doors and windows.

Reservation Road (over Mother Brook, Hyde Park) — Repair sidewalks, decks and erect barriers.

Reservation Road (over New York, New Haven and Hartford Railroad, Hyde Park) — Repair sidewalks.

River Street (over Mother Brook, Hyde Park) — Erect barriers.

River Street (over New York, New Haven and Hartford Railroad, Mattapan) — Remove blast plate.

Sprague Street (Hyde Park) — Repair sidewalk and deck.

Summer Street (over B Street, South Boston) — Erect barriers on steps.

Summer Street Drawbridge (over Fort Point Channel) — Install reflectors, rewire flashing lights.

Summer Street Bridge (over Reserve Channel) — Repair winch, cables, sheaves and draw latch; steps, piers, hand rails, sidewalks, roadway, traffic gates, door and windows; jack up bridge, remove, repair and replace trucks; repair gate and flashing lights.

Summer Street (over New York, New Haven and Hartford Railroad) — Repair barriers and flashing lights.

Temple Street (West Roxbury) — Remove loose concrete.

Tollgate Way Footpath (Forest Hills) — Repair chain link fence, steps and deck.

Warren Avenue (Charlestown) — Replace barriers.

West Fourth Street (over New York, New Haven and Hartford Railroad) — Repair chain link fence.

West Newton Street (over New York, New Haven and Hartford Railroad) — Weld and paint pipe fence.

#### TABLE 6 EXPENDITURES ON INLAND BRIDGES DURING 1969

Labor	Materials	Total
\$29,089 00	\$3,771 05	\$32,860 05

The above figures represent total cost of maintenance repairs on inland bridges, using our department yard employees, materials and supplies.



TABLE 7  
DETAILS OF EXPENDITURES ON TIDEWATER BRIDGES FOR THE YEAR 1969

BRIDGES	Drawtenders' Salaries	Mechanics' Wages	Material	Repairs	Supplies, Utilities, etc.	Totals
Andrew P. McArdle . . .	\$110,681 54	\$5,564 00	\$8 00	\$470 00	\$1,188 20	\$117,911 74
Alford Street . . .	40,501 89	5,656 00	79 00	—	1,883 18	48,120 07
Summer Street (L Street) . .	33,244 10	19,228 00	1,720 20	112 50	553 89	54,858 69
Chelsea Street . . .	83,666 87	5,794 00	259 60	636 75	646 53	91,003 75
Northern Avenue . . .	193,097 19	24,820 00	2,648 20	1,200 00	1,410 14	223,175 53
Congress Street . . .	—	1,582 00	60 60	—	178 91	1,821 51
Summer Street (FPC) . . .	—	994 00	30 20	—	56 18	1,080 38
Totals . . .	\$461,191 59	\$63,638 00	\$4,805 80	\$2,419 25	\$5,917 03	\$537,971 67

TABLE 8  
WATERBORNE TRAFFIC THROUGH THE DRAWBRIDGES FOR THE YEAR 1969

BRIDGES	Steamers	Tugs	Barges	Pleasure Craft	All Others	Total Vessels	Total Cargoes	Total Openings
A. P. McArdle . . . . .	671	6,256	1,766	13	233	8,939	1,020	3,923
Alford Street . . . . .	—	152	76	408	23	682	38	530
Summer Street (L Street) . . . . .	—	4	2	108	205	319	40	283
Chelsea Street . . . . .	517	4,841	1,261	—	114	6,740	1,001	2,847
Northern Avenue . . . . .	—	237	261	5	324	827	530	679
Totals . . . . .	1,188	11,490	3,366	534	899	17,507	2,629	8,262

TABLE 9

## WORK DONE BY CONTRACT IN 1969

ITEM	Quantity
Earth excavation . . . . .	99,436 cubic yards
Trees removed 4 inches to 12 inches . . . . .	73 each
Trees removed 12 inches to 24 inches . . . . .	39 each
Trees removed over 24 inches . . . . .	31 each
Stumps removed . . . . .	139 each
Walls and footing . . . . .	221 cubic yards
Rock and wall excavation . . . . .	1,101 cubic yards
Base removed . . . . .	12,996 square yards
Pavement removed . . . . .	34,746 square yards
Trench excavation . . . . .	1,491 cubic yards
Bank gravel . . . . .	138,335 tons
Crushed stone for edgestone . . . . .	3,769 tons
Trench rock excavation . . . . .	1,327 cubic yards
New straight edgestone . . . . .	40,471 linear feet
Bituminous concrete curbing . . . . .	986 linear feet
New circular edgestone . . . . .	10,505 linear feet
New 2-foot corners . . . . .	782 each
New 6-foot corners . . . . .	70 each
Edgestone reset . . . . .	88,164 linear feet
Edgestone removed and reset . . . . .	3,597 linear feet
Edgestone hauled . . . . .	231 linear feet
New 6-foot corners . . . . .	645 linear feet
Guttermouths . . . . .	94 each
Straight guttermouths . . . . .	11 each
12-inch concrete pipe surface drain . . . . .	167 linear feet
Concrete base . . . . .	1,952 cubic yards
Concrete base backing up sidewalks . . . . .	21 cubic yards
Artificial stone sidewalks . . . . .	574,951 square feet
Concrete sidewalks (monolithic) . . . . .	370,876 square feet
Artificial stone driveways . . . . .	74,253 square feet
Concrete driveways (monolithic) . . . . .	40,792 square feet
Brick relaid . . . . .	222 square yards
New brick . . . . .	8,284 square yards
Loam . . . . .	1,762 cubic yards
Loam rehandled and spread (special item) . . . . .	1,639 square yards
Loam for tree pits . . . . .	1,242 cubic yards
Bituminous concrete black base . . . . .	4,377 tons
Bituminous concrete base roadway . . . . .	33,124 tons
Bituminous concrete top roadway . . . . .	21,592 tons
Bituminous concrete base sidewalk and driveway . . . . .	236 tons
Bituminous concrete top sidewalk and driveway . . . . .	890 tons
Crushed stone for macadam base . . . . .	23,946 tons
OA asphalt . . . . .	232,072 gallons

ITEM	Quantity
Class I bituminous concrete base type I.	2,504 tons
Calcium chloride . . . . .	25,600 pounds
Drop inlets, manholes, and catch basins reset . . . . .	133 each
Covers reset . . . . .	1,906 each
Existing water boxes reset . . . . .	121 each
Catch basins built . . . . .	37 each
Catch basins or manholes remodeled . . . . .	90 each
Catch basins converted to manholes . . . . .	76 each
E frames and gratings . . . . .	35 each
Sign posts set . . . . .	350 each
Stone bounds . . . . .	387 each
4-foot chain link fence . . . . .	88 linear feet
Chain link fence . . . . .	149 linear feet
3-inch conduit for fire alarm . . . . .	1,727 linear feet
Ground water drain . . . . .	1,525 linear feet
Fire alarm manhole . . . . .	1 each
Fire alarm base and mid-section . . . . .	4 each
Concrete pipe for catch basin . . . . .	2,447 linear feet
10-inch cast iron pipe . . . . .	63 linear feet
Y's pipe . . . . .	29 each
Slants . . . . .	52 each
Catch basin exclude frame and grate include guttermouth . . . . .	4 each
Catch basins including guttermouth . . . . .	58 each
Catch basins excluding guttermouth . . . . .	5 each
Drop inlet including guttermouth . . . . .	73 each
Catch basins or manholes dismantled . . . . .	27 each
Manholes . . . . .	4 each
Seal coat . . . . .	1,037 gallons
6-inch hydrant pipe . . . . .	124 linear feet
$\frac{3}{4}$ -inch "K" copper tubing . . . . .	1,303 linear feet
1-inch copper tubing with service . . . . .	152 linear feet
Furnish and set 6-inch gate . . . . .	4 each
Furnish and set hydrant . . . . .	4 each
Remove and reset existing hydrant and set new hydrant . . . . .	6 each
Excavate outside trench . . . . .	10 cubic yards
Gravel refill trench . . . . .	65 tons
Rock excavation trench . . . . .	8 cubic yards
2-inch steel conduit . . . . .	26,613 linear feet
Precast concrete handholes . . . . .	526 each
Precast street light base standard . . . . .	292 each
Precast street light base short . . . . .	40 each
Pull boxes . . . . .	138 each
Shallow light base . . . . .	22 each
Edison charge for manhole break . . . . .	116 each
Street light control cabinet . . . . .	10 each
3-inch black conduit . . . . .	577 linear feet

ITEM	Quantity
Traffic police patrol . . . . .	15,084 hours
Traffic police sergeant . . . . .	164 hours
3-inch conduit for police signal . . . . .	101 linear feet
3-inch black conduit . . . . .	7,527 linear feet
3½-inch black conduit . . . . .	429 linear feet
Standard traffic base . . . . .	3,005 linear feet
4-inch painted lines . . . . .	1,420 linear feet
6-inch painted lines . . . . .	795 linear feet
12-inch painted lines . . . . .	218 linear feet
4-inch plastic strips . . . . .	6,205 linear feet
6-inch plastic strips . . . . .	7,910 linear feet
12-inch plastic strips . . . . .	624 linear feet
Concrete median . . . . .	114 cubic yards
Bituminous concrete roadway area . . . . .	228,242 square yards
Sod . . . . .	682 cubic yards
Parking meters . . . . .	158 each
4-inch yellow plastic strips . . . . .	708 linear feet
Drop inlets built . . . . .	28 each

**TABLE 10**  
**STREET CLEANING CONTRACTS**  
**AWARDED IN 1969**

CONTRACT	Amount
Cleaning streets with mechanical sweepers in parts of District 1, W. J. Banfield Corporation . . . . .	\$50,974 30
Street cleaning in the North End and Market Area, W. J. Banfield Corporation . . . . .	151,985 00
Total . . . . .	<u>\$202,959 30</u>

**TABLE 11**  
**WORK DONE BY CITY FORCES IN 1969**

ITEM	Quantity
Bituminous roadway repairs . . . . .	125,671 square yards
Bituminous sidewalk repairs . . . . .	36,664 square yards
Bituminous yard repairs . . . . .	2,191 square yards
Bituminous driveway repairs . . . . .	1,372 square yards
Granite block roadway repairs . . . . .	280 square yards
Stone wall repairs (pointing, replacing, etc.) . . . . .	580 square yards
Brick sidewalk repairs . . . . .	1,533 square yards
Granolithic sidewalk replaced . . . . .	9,667 square yards
Straight granite edgestone reset . . . . .	611 linear feet

ITEM	Quantity
Circular granite edgestone reset . . . . .	355 linear feet
Precast concrete curbing reset . . . . .	155 linear feet
Chain link fence repairs (replacing posts, etc.) . . . . .	204 linear feet
Water boxes reset . . . . .	25 each
Erected iron posts for barricades . . . . .	29 each
Debris removed from streets . . . . .	168,648 cubic yards
Salt spread . . . . .	32,155 tons
Snow removed by city forces . . . . .	94,276 cubic yards
Catch basins and drop inlets cleaned . . . . .	196 each
Animals removed from streets and sidewalks . . . . .	3,090 each

**TABLE 12**  
**PATCHING QUANTITIES FOR 1969**  
**SIDEWALKS**

ITEM	Quantity
Edgestone reset . . . . .	3,100 linear feet
Artificial stone sidewalks . . . . .	150,000 square feet
Artificial stone driveways . . . . .	5,000 square feet
Concrete base . . . . .	170 cubic yards
Sign posts reset . . . . .	15 each
Covers reset . . . . .	25 each

#### ROADWAY

Roadway patching . . . . .	350,000 square feet
Adjacent patching . . . . .	5,500 square feet
Castings reset . . . . .	452 each
Catch basins remodeled . . . . .	19 each
Bituminous concrete patch sidewalks . . . . .	23,170 square feet

#### OVERLAY

Pavement removed . . . . .	165 square feet
Bituminous concrete base . . . . .	271 tons
Bituminous concrete top . . . . .	44,720 square feet
Cover reset . . . . .	515 each

**TABLE 13**  
**1969**

#### MERCURY VAPOR LIGHTING PROJECTS

In 1969 orders were issued for the installation of 3,500 lumen lamps and the replacement of old lighting units on the following streets:

Adelaide Terrace, West Roxbury . . . . .	1
Agassiz Park, West Roxbury . . . . .	3
Alameda Road, West Roxbury . . . . .	4



Albert Place, Dorchester . . . . .	1
Albion Street, Dorchester . . . . .	4
Aldwin Road, West Roxbury . . . . .	1
Aldworth Street, West Roxbury . . . . .	6
Algonquin Street, Dorchester . . . . .	6
Allston Street, Dorchester . . . . .	8
Alpha Road, Dorchester . . . . .	6
Amherst Street, West Roxbury . . . . .	4
Arcadia Street, West Roxbury . . . . .	3
Aspinwall Road, Dorchester . . . . .	6
Atwill Road, West Roxbury . . . . .	3
Auckland Street, Dorchester . . . . .	12
Avalon Road, West Roxbury . . . . .	6
Ballard Street, West Roxbury . . . . .	5
Bardwell Street, West Roxbury . . . . .	5
Bartlett Place, Boston . . . . .	2
Basto Terrace, West Roxbury . . . . .	2
Bay Street, Dorchester . . . . .	5
Beaufort Road, West Roxbury . . . . .	4
Belnel Road, Boston Proper . . . . .	17
Benson Street, Brighton . . . . .	1
Bentham Road, Dorchester . . . . .	2
Blakeville Street, Dorchester . . . . .	4
Board Alley, Boston . . . . .	1
Bow Street, Hyde Park . . . . .	5
Burroughs Street, West Roxbury . . . . .	12
Calder Street, West Roxbury . . . . .	4
Carolina Square, West Roxbury . . . . .	2
Cawfield Street, Dorchester . . . . .	4
Cedarcrest Lane, West Roxbury . . . . .	3
Chamberlain Street, Dorchester . . . . .	4
Chelmsford Street, Dorchester . . . . .	6
Clark Street, Boston . . . . .	1
Claybourne Street, Dorchester . . . . .	11
Copeland Street, Roxbury . . . . .	10
Custer Street, West Roxbury . . . . .	7
Cutter Road, West Roxbury . . . . .	2
Deer Street, Dorchester . . . . .	5
Delle Avenue, Roxbury . . . . .	5
Derry Road, Hyde Park . . . . .	5
Dow Road, West Roxbury . . . . .	7
Drayton Avenue, Dorchester . . . . .	2
Eastman Street, Dorchester . . . . .	6
Egleston Street, West Roxbury . . . . .	3
Elder Street, Dorchester . . . . .	6
Ellington Street, Dorchester . . . . .	16
Enterprise Street, Dorchester . . . . .	7
Everett Avenue, Dorchester . . . . .	5
Fairland Street, Roxbury . . . . .	4
Foster Street, Boston . . . . .	2

Fountain Place, Boston . . . . .	1
Fresno Street, West Roxbury . . . . .	5
Gaylord Street, Dorchester . . . . .	4
Glenburnie Road, West Roxbury . . . . .	7
Glendale Street, Dorchester . . . . .	6
Gold Street, South Boston . . . . .	3
Granville Street, Dorchester . . . . .	6
Greenbrier Street, Dorchester . . . . .	7
Greenbrook Road, Hyde Park . . . . .	6
Greenmount Street, Dorchester . . . . .	3
Hanover Street (rear of 204-408-), Boston . . . . .	3-430
Harvard Avenue, Dorchester . . . . .	4
Harvard Park, Dorchester . . . . .	2
Hastings Street, West Roxbury . . . . .	8
Hayden Street, Roxbury . . . . .	2
Hecla Street, Dorchester . . . . .	8
Hewins Street, Dorchester . . . . .	6
Howe Street, Dorchester . . . . .	5
Huntoon Street, Dorchester . . . . .	4
Ifiley Road, West Roxbury . . . . .	7
Iroquois Street, Roxbury . . . . .	10
Joan Road, Hyde Park . . . . .	7
Joanne Terrace, Dorchester . . . . .	2
Kane Street, Dorchester . . . . .	1
Lakeville Road, West Roxbury . . . . .	5
Larchmont Street, Dorchester . . . . .	8
Lawn Street, Roxbury . . . . .	8
Leroy Street, Dorchester . . . . .	5
Levant Street, Dorchester . . . . .	7
Liberty Street, South Boston . . . . .	2
Lyndhurst Street, Dorchester . . . . .	7
Lynn Street, Boston . . . . .	3
Lyon Street, Dorchester . . . . .	6
Macniel Way, Dorchester . . . . .	1
Manion Road, Hyde Park . . . . .	5
Maple Street, Roxbury . . . . .	10
Maxfield Street, West Roxbury . . . . .	5
McBride Street, West Roxbury . . . . .	14
Merideth Street, West Roxbury . . . . .	4
Messenger Street, Dorchester . . . . .	3
Milwood Terrace, Dorchester . . . . .	2
Monastery Road, Brighton . . . . .	1
Mt. Everett Street, Dorchester . . . . .	6
Murray Avenue, Roxbury . . . . .	2
Myopia Road, Hyde Park . . . . .	5
Nazing Street, Roxbury . . . . .	4
Neptune Road, East Boston . . . . .	6
North Street (rear of 278), Boston . . . . .	2
North Bennet Street, Boston . . . . .	2
Nottingham Street, Dorchester . . . . .	5

Noyes Place, Boston . . . . .	2
Oak Road, West Roxbury . . . . .	4
Orchardhill Road, West Roxbury . . . . .	1
Oriole Street, West Roxbury . . . . .	10
Patterson Way, South Boston . . . . .	7
Penfield Street, West Roxbury . . . . .	6
Potosi Street, Dorchester . . . . .	2
Power Court, South Boston . . . . .	3
Putnam Street, East Boston . . . . .	20
Radcliffe Road, Brighton . . . . .	2
Ralston Road, Dorchester . . . . .	3
Rector Road, Dorchester . . . . .	9
Richwood Street, West Roxbury . . . . .	9
Ridgewood Street, Dorchester . . . . .	6
Rill Street, Dorchester . . . . .	4
Ripley Road, Dorchester . . . . .	8
Roach Street, Dorchester . . . . .	4
Rockdale Street, Dorchester . . . . .	13
Rowena Street, Dorchester . . . . .	2
Ruskin Street, West Roxbury . . . . .	4
Rutledge Street, West Roxbury . . . . .	5
Sagamore Street, Dorchester . . . . .	6
St. Margaret Street, Dorchester . . . . .	8
Sanger Street, South Boston . . . . .	2
Saranac Street, Dorchester . . . . .	2
Sargent Street, Dorchester . . . . .	8
Saville Street, West Roxbury . . . . .	3
Seminole Street, Hyde Park . . . . .	9
Shanley Street, Brighton . . . . .	2
Silver Street, South Boston . . . . .	8
Speedway Avenue, Brighton . . . . .	2
Speedwell Street, Dorchester . . . . .	5
Stanwood Street, Dorchester . . . . .	14
Stonehurst Street, Dorchester . . . . .	5
Sunset Lane, Dorchester . . . . .	2
Taft Street, Dorchester . . . . .	3
Thacher Court, Boston . . . . .	2
Thornley Street, Dorchester . . . . .	5
Tileston Place, Boston . . . . .	1
Trull Street, Dorchester . . . . .	5
Vinal Street, Brighton . . . . .	2
Walbridge Street, Brighton . . . . .	3
Waldren Road, Roxbury . . . . .	4
Walnut Park, Roxbury . . . . .	6
Walnut Place, Hyde Park . . . . .	2
Wardman Road, Roxbury . . . . .	4
Washburn Street, South Boston . . . . .	4
Waterlow Street, Dorchester . . . . .	2
Westminster Avenue, Roxbury . . . . .	4
Westover Street, West Roxbury . . . . .	13

Whiting Street, Roxbury . . . . .	6
Whittemore Street, Dorchester . . . . .	2
Whittemore Street, West Roxbury . . . . .	3
Willoughby Street, Brighton . . . . .	3
Wilton Terrace, Brighton . . . . .	1
Winston Street, Dorchester . . . . .	7
Winthrop Street, Hyde Park . . . . .	8
Wolcott Street, Dorchester . . . . .	6
Woodmont Street, Brighton . . . . .	1
Wyvern Street, West Roxbury . . . . .	11

In 1969 orders were issued for the installation of 7000 lumen lamps and the replacement of old lighting units on the following streets:

Allandale Street, West Roxbury . . . . .	31
Annunciation Road, Roxbury . . . . .	11
Bellevue Street, Dorchester . . . . .	15
Cazenove Street, Boston . . . . .	3
Chandler Street, Boston . . . . .	3
Child Street, Hyde Park . . . . .	19
Clarendon Street, Boston . . . . .	6
Copeland Park, Roxbury . . . . .	1
Covington Street, South Boston . . . . .	5
Davern Avenue, Dorchester . . . . .	3
Eliot Street, West Roxbury . . . . .	15
F Street, South Boston . . . . .	17
Fisher Avenue, Roxbury . . . . .	19
G Street, South Boston . . . . .	21
Gates Street, South Boston . . . . .	7
Greenwood Square, Hyde Park . . . . .	1
Harold Street, Roxbury . . . . .	23
Harvest Street, Dorchester . . . . .	7
Haure Street, East Boston . . . . .	25
Holiday Street, Dorchester . . . . .	8
Hollingsworth Street, Dorchester . . . . .	12
Holyoke Street, Boston . . . . .	3
Lexington Avenue, Hyde Park . . . . .	8
Lockwood Street, Hyde Park . . . . .	5
M Street, South Boston . . . . .	24
Monadnock Street, Dorchester . . . . .	10
Montebello Street, West Roxbury . . . . .	7
Mt. Vernon Street, Dorchester . . . . .	7
Peacevale Road, Dorchester . . . . .	6
Pittsburgh Street, South Boston . . . . .	6
Prince Street, West Roxbury . . . . .	20
Robinson Street, Dorchester . . . . .	6
Tockwood Terrace, West Roxbury . . . . .	3
Rosewood Street, Dorchester . . . . .	6
Rutland Square, Boston . . . . .	7
St. Charles Street, Boston . . . . .	2

School Street, West Roxbury . . . . .	16
Saxton Street, Dorchester . . . . .	11
Shirley Street, Roxbury . . . . .	12
Sprague Street, Hyde Park . . . . .	11
Standard Street, Dorchester . . . . .	8
Sydney Street, Dorchester . . . . .	19
Telegraph Street, South Boston . . . . .	5
Trapelo Street, Brighton . . . . .	7
Waldren Road, Roxbury . . . . .	3
Walnut Park, Roxbury . . . . .	17
Wardman Road, Roxbury . . . . .	3
Wellington Street, Boston . . . . .	3
West Fifth Street, South Boston . . . . .	2
Westminster Avenue, Roxbury . . . . .	13
Westminster Terrace, Roxbury . . . . .	2
Whitman Street, Dorchester . . . . .	5
Woodgate Street, Dorchester . . . . .	8

In 1969 orders were issued for the installation of 11,000 lumen lamps and the replacement of old lighting units on the following streets:

Adams Street, Dorchester . . . . .	8
Beech Street, West Roxbury . . . . .	26
Foster Street, Brighton . . . . .	5

In 1969 orders were issued for the installation of 20,000 lumen lamps and the replacement of old lighting units on the following streets:

Berkeley Street, Boston . . . . .	7
Dana Avenue, Hyde Park . . . . .	4
North Beacon Street, Brighton . . . . .	35
Parker Street, Roxbury . . . . .	14
River Street, Hyde Park . . . . .	45
Savin Hill Avenue, Dorchester . . . . .	42
Washington Street, Brighton . . . . .	2

TABLE 14

## GAS STREET LAMPS 1969

On January 1, 1969 we maintained 610 gas street lamps. During 1969 we installed 125 gas street lamps, 19 fire alarm lamps, relighted the 13 gas street lamps in North Square. On January 1, 1970 we had in service a total of 764 gas lamps of which 23 are fire alarm lamps. The gas lamps are located as follows:

Boston Proper . . . . .	559
East Boston . . . . .	15
Charlestown . . . . .	85



Brighton . . . . .	12
South Boston . . . . .	30
Dorchester . . . . .	21
Roxbury . . . . .	20
Jamaica Plain . . . . .	17
West Roxbury . . . . .	5

We discontinued three gas street lamps due to urban renewal — one each in Charlestown, Roxbury and East Boston. We replaced eight gas lamp posts which were broken by automobiles.

We installed gas lamps during the year as follows:

Mt. Vernon Street . . . . .	21
Piedmont Street . . . . .	10
Fayette Street . . . . .	3
Winchester Street . . . . .	12
Church Street . . . . .	4
Brimmer Street . . . . .	12
Pinckney Street . . . . .	6
Joy Street . . . . .	1
River Street . . . . .	5
Rear 5 West Cedar Street . . . . .	1
Mount Vernon Place . . . . .	1
Beaver Street . . . . .	4
Beaver Place . . . . .	1
Anderson Street . . . . .	8
Phillips Street . . . . .	3
6 Willow Street . . . . .	1
Rear 117 Pinckney Street . . . . .	1
Rear West Hill Place . . . . .	2
Walnut Street . . . . .	1
Public Alley 303 . . . . .	1
Strong Place . . . . .	2
Edgerly Place . . . . .	3
Hancock Street . . . . .	16
Rear 53 Hancock Street . . . . .	1
Spruce Place . . . . .	1
Charles Street . . . . .	3

We relighted the thirteen gas lamps in North Square, Boston, and one lamp at 7 Chapman Street, Charlestown. We installed gas fire alarm lamps on the following boxes:

- 136 Cambridge and South Russell Streets
- 138 Revere Street and Embankment Road
- 1355 Parkman Street and North Anderson Street
- 1361 Phillips Street at Anderson Street
- 1362 Pinckney Street opposite Anderson Street
- 1363 Irving Street opposite Revere Street
- 1364 Joy Street and Myrtle Street



- 1365 Revere Street and Grove Street
- 1366 Phillips Street and West Cedar Street
- 1367 Derne Street and Bowdoin Street
- 1368 Cambridge Street and Temple Street
- 1369 Cambridge Street and Grove Street
- 1372 Mt. Vernon Street opposite Hancock Street
- 1373 Chestnut Street and Walnut Street
- 1375 Beacon Street and Spruce Street
- 1382 Charles Street and Revere Street
- 1383 Charles Street and Mt. Vernon Street
- 1385 Beacon Street and Beaver Street
- 1521 Church Street and Winchester Street

**APPENDIX D**

**SANITARY DIVISION**

**TABLE 1**  
**PAYMENTS TO REFUSE COLLECTION CONTRACTORS**  
**FIRST 3 MONTHS — JANUARY — MARCH**

DISTRICT	Contractor	Total 3 Months' Payments
1A Charlestown.....	Banco Corporation.....	\$21,863 00
1B Boston Proper.....	James A. Freaney, Inc.....	115,029 00
2 Jamaica Plain.....	Joseph Amara & Sons, Inc.....	71,964 00
3 Dorchester (North).....	Jeffries Disposal Corporation.....	151,636 00
4 Brighton.....	J. F. Ryan, Inc.....	96,669 00
5 South Boston.....	Banco Corporation.....	37,846 00
6 West Roxbury.....	M & C Corporation.....	103,728 00
7 Dorchester (South).....	United Contracting Company, Inc., of Boston.....	155,352 00
8 Hyde Park.....	Howard Disposal Corporation.....	59,141 00
9 East Boston.....	Banco Corporation.....	65,210 00
10 Roxbury.....	Dooley Brothers, Inc.....	137,041 00
Total 3 Months.....		\$1,015,479 00

**TABLE 2**  
**PAYMENTS TO REFUSE COLLECTION CONTRACTORS**  
**LAST 9 MONTHS — APRIL 1, TO DECEMBER 31, INCLUSIVE**

DISTRICT	Contractor	Total 9 Months' Payments*
1A Charlestown.....	Banco Corporation.....	\$68,999 00
1B Boston Proper.....	James A. Freaney, Inc.....	374,021 00
2 Jamaica Plain.....	Joseph Amara & Sons, Inc.....	234,282 00
3 Dorchester (North).....	Jeffries Disposal Corporation.....	488,612 00
4 Brighton.....	J. F. Ryan, Inc.....	320,193 00
5 South Boston.....	Banco Corporation.....	119,356 00
6 West Roxbury.....	M & C Corporation.....	349,466 00
7 Dorchester (South).....	United Contracting Company, Inc., of Boston.....	517,035 00
8 Hyde Park.....	Howard Disposal Corporation.....	203,774 00
9 East Boston.....	Banco Corporation.....	208,403 00
10 Roxbury.....	Dooley Brothers, Inc.....	425,624 00
Last 9 Months Total.....		\$3,309,765 00
First 3 Months Total.....		1,015,479 00
Collection Grand Total.....		\$4,325,244 00

\*Includes increase labor costs

TABLE 3  
SUNDRY PAYMENTS, DISPOSAL

REMOVAL OF GARBAGE

Transfer Station		
Victory Road:		
Kristoff Brothers, twelve months at \$1,300.00 per month.	\$15,600 00	
Gardner Street:		
Kennedy Brothers, twelve months at \$1,300.00 per month	15,600 00	
		\$31,200 00

PAYMENTS FOR REMOVAL OF INCINERATOR RESIDUE

First three months, January-March

Howard Disposal Corporation, 16,141 tons at \$1.39 per ton	\$22,436 00
--	-------------

April-December

L. Guerini, Inc., 58,172 tons at \$1.44 per ton	83,767 00
---	-----------

106,203 00

PAYMENTS FOR COVER MATERIAL FOR GARDNER STREET

First three months, January-March

West Roxbury Crushed Stone, 27,500 tons at \$1.00 per ton.	\$27,500 00
--	-------------

Last nine months, April-December

West Roxbury Crushed Stone, 116,768 tons at \$1.12 per ton	130,780 00
--	------------

158,280 00

PAYMENTS FOR REMOVAL OF DERELICT AUTOMOBILES

First three months, January-March

J. Nissenbaum & Company, 34 cars at \$2.50 each	\$85 00
---	---------

Last nine months, April-December

Arnold Aronoff, 157 cars at \$4.40 each	690 80
---	--------

776 00

Disposal Contractors Grand Total	\$296,459 00
----------------------------------	--------------

Contractors Grand Total.	\$4,621,703 00
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**TABLE 4**  
**EXPENDITURES IN 1969**

Payments to refuse collection contractors . . . . .	\$4,325,244 00
Payments for removal of garbage . . . . .	31,200 00
Payments for removal of derelict automobiles . . . . .	776 00
Payments for removal of incinerator residue . . . . .	106,203 00
Payments for cover material for Gardner Street . . . . .	158,280 00
<b>Total collection and disposal contract payments . . . . .</b>	<b>\$4,621,703 00</b>
<b>Payroll Totals:</b>	
Administrative and General Services . . . . .	\$78,918 00
Collection Section . . . . .	787,492 00
Disposal Section . . . . .	770,114 00
<b>Subtotal . . . . .</b>	<b>\$1,636,524 00</b>
Temporary employees . . . . .	30,015 00
Overtime payrolls . . . . .	237,102 00
<b>Subtotal . . . . .</b>	<b>\$267,117 00</b>
<b>Total payrolls . . . . .</b>	<b>1,903,641 00</b>
Incinerator operation and maintenance costs (other than labor) . . . . .	115,065 00
Supplies and materials (other than incinerator) . . . . .	17,045 00
Rental of refuse containers and other costs for community cleanup . . . . .	9,413 00
Miscellaneous (advertising, rental of equipment, etc.) . . . . .	8,939 00
<b>Grand total expenditures. . . . .</b>	<b>\$6,675,806 00</b>





TABLE 6  
1969 UNIT COSTS

(1)	Administrative		
	\$52,983		Approximately 0.80 percent of total cost
(2)	Refuse collection		
	\$4,625,533		
	308,470 tons a year	\$15 00 a ton	
(3)	Vacant lots		
	\$163,664		
	4,245 lots	\$38 55 a lot	
(4)	Alley cleaning		
	\$190,452		
	2,766 tons a year	\$68 85 a ton	
(5)	Litter baskets		
	\$89,864		
	856 baskets		
	220,000 servicings	\$0 41 a servicing	
(6)	Market cleaning		
	\$32,120		
	2,301 tons a year	\$13 96 a ton	
(7)	Abandoned vehicles		
	\$9,844		
	436 vehicles	\$22 58 a car	
(8)	Cleanup campaign		
	\$10,145		
(9)	Education and Enforcement		
	\$104,878		Approximately 1.57 percent of total cost
(10)	Incinerator		
	\$1,034,195 — operations		
	137,138 tons a year	\$7 54 a ton	
	\$357,281 amortization	\$2 61 a ton	
(11)	Gardner Street Sanitary Landfill		
	\$330,931		
	194,477 tons a year	\$1 70 a ton	
(12)	Garbage Disposal		
	\$31,200		
	7,390 tons a year	\$4 22 a ton	

**APPENDIX E**

**SEWER DIVISION**

TABLE 1  
SEWER USE — 1969

Balances from 1968 Appropriations . . . . .		\$10,584 43
RECEIPTS:		
Sewer Use . . . . .	\$3,216,164 38	
Tax Title . . . . .	51,600 63	
		<u>3,267,765 01</u>
		\$3,278,349 44
EXPENDITURES:		
Sewer Service . . . . .	\$885,599 91	
Pensions and Annuities . . . . .	159,828 48	
Public Works Department . . . . .	227,611 00	
Data Processing Unit . . . . .	67,038 00	
Collecting Division . . . . .	85,385 00	
Pensions, State-Boston . . . . .	82,202 00	
Debt and Interest . . . . .	838,071 11	
MDC Assessment . . . . .	3,399,215 88	
		<u>5,744,951 38</u>
		\$2,466,601 94*
Carried Forward to 1970 . . . . .		<u>8,491 08</u>
		\$2,475,093 02*
Less 1968 (Overestimate Appropriated) . . . . .		<u>1,455,932 63</u>
Net Deficit . . . . .		\$1,019,160 39*
MDC Assessment . . . . .	\$3,399,215 88	
MDC Payment . . . . .	2,010,794 11	
		<u>\$1,388,421 77</u>
Contingency Reserve† . . . . .	\$1,388,421 77	
NON-REVENUE EXPENDITURES—1969		
Sewerage Works Loan:		
Office and Engineers' Salaries . . . . .	\$246,653 25	
Land Takings . . . . .	12,100 00	
Miscellaneous Bills . . . . .	10,967 87	
Service Orders . . . . .	217 00	
Contracts . . . . .	1,227,314 78	
		<u>\$1,497,252 90</u>
Boston Redevelopment Projects:		
Washington Park . . . . .	\$192,571 81	
Government Center . . . . .	44,298 62	
South End . . . . .	33,999 67	
		<u>\$270,870 10</u>

\*Indicates deficit.

†Awaiting result of court suit.

**TABLE 2**  
**SUMMARY OF SEWER CONSTRUCTION FOR TWELVE MONTHS**  
**ENDING DECEMBER 31, 1969**

DISTRICT	Built by City, Either by Contract or Day Labor	Built by Private Parties	Shared by City and Government	Total Lengths Built	
	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Miles</i>
City Proper.....	1,716	478	6,580	8,774	1.671
Roxbury.....	283	—	16,118	16,401	3.125
South Boston.....	316.60	—	—	316.60	.059
East Boston.....	1,876.90	—	—	1,876.90	.355
Charlestown.....	—	—	2,568*	2,568	.486
Brighton.....	504	—	—	504	.009
West Roxbury.....	5,742.80	—	—	5,742.80	1.087
Dorchester.....	469.88	—	—	469.88	.088
Hyde Park.....	5,786.20	—	—	5,786.20	1.095
Totals.....	16,695.38	478	25,266	42,439.38	7.975

\*100 percent Government

**TABLE 3**  
**SUMMARY OF SEWER CONSTRUCTION FOR FIVE YEARS TO**  
**DECEMBER 31, 1969**

	1965	1966	1967	1968	1969
	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Linear Feet</i>	<i>Linear Feet</i>
Built by city by contract or day labor.....	21,937.00	24,308.00	19,823.50	16,691.00	16,695.38
Built by private parties.....	2,613.00	530.00	—	445.00	478.00
Shared by city and government..	16,509.00	36,182.00	8,553.70	9,408.00	25,266.00
Totals.....	41,059.00	61,020.00	28,377.20	26,544.00	42,439.38

**TABLE 4**  
**TOTAL LENGTH OF SEWERS**

	Miles
Common sewers and surface drains built previous to January 1, 1969 .	1,381.762
Common sewers and surface drains built between January 1 and December 31, 1969 . . . . .	7.975
Common sewers and surface drains built ending December 31, 1969. .	1,389.737
Abandoned sewers in 1969. . . . .	.801
Total miles . . . . .	1,388.936

**TABLE 5**  
**CATCH BASINS UNDER JURISDICTION OF SEWER DIVISION**

DISTRICT	CATCH BASINS FOR TWELVE MONTHS ENDING DECEMBER 31, 1969		Net Increase	TOTAL FOR ENTIRE CITY	
	Number Built or Rebuilt	Number Abandoned or Removed		Previous Report through December 31, 1968	Grand Total to December 31, 1969
City Proper.....	42	7	35	3,821	3,856
Roxbury.....	93	31	62	3,644	3,706
South Boston.....	2	2	0	1,531	1,531
East Boston.....	12	8	4	1,259	1,263
Charlestown.....	15	0	15	871	886
Brighton.....	2	0	2	2,184	2,186
West Roxbury.....	21	0	21	4,921	4,942
Dorchester.....	0	0	0	5,825	5,825
Hyde Park.....	46	0	46	1,655	1,701
Totals.....	233	48	185	25,711	25,896
Previously built*.....				17	17
Built in 1969*.....					6
Total existing basins.....					25,919

\* Under Highway Division contracts

**TABLE 6**  
**MAINTENANCE SECTION**

	1969
Complaints received and investigated . . . . .	6,948
Complaints received and requiring maintenance service . . . . .	3,733
Sewers repaired by city forces and emergency repairs contractor (linear feet) . . . . .	620
Sewers cleaned (miles) . . . . .	6.14
House drains constructed, repaired, and inspected . . . . .	269
Sealed-off drains inspected at sites of demolished buildings . . . . .	376
Municipal liens reported to City Collector . . . . .	5,145
Catch basins and manholes repaired by city forces and emergency repairs contractor . . . . .	373
Catch basins cleaned . . . . .	4,131
Drop inlets cleaned . . . . .	210

**TABLE 7**  
**CALF PASTURE PUMPING STATION**

	1969	1968	1967
Sewage pumped . . . . .	6,517 MG	8,122 MG	33,510 MG
Sewage pumped — average flow . . . . .	17.83 MGD	22.25 MGD	91.81 MGD
Pumping cost per MG . . . . .	\$47.62	\$34.19	\$11.71

MG = million gallons

MGD = million gallons per day

TABLE 8  
SEWERAGE WORKS CONTRACTS

LOCATION	District	Contractor	Length in Feet	Character	Contract Bid Price
Congress Street	South Boston	N. Bevilacqua & Son, Inc.	316 60 52 00	10" pipe sewer minor drain 2 sewer manholes 2 sewer manholes removed	\$12,850 00
Seattle Street	Brighton	Charles & Louis Construction Company, Inc.	504 80 58 00	10" pipe sewer minor drain 2 sewer manholes	79,300 00
Westbrook Street	East Boston		124 90	10" surface drain 1 sewer manhole	
Brushwood Circle	Hyde Park		282 20 282 20 36 50	1 catch basin 10" pipe sewer 10" surface drain minor drain 2 sewer manholes	
Millstone Road	Hyde Park		168 40 8 00	2 catch basins 15" pipe sewer minor drain	
Tappan Avenue	West Roxbury		234 40 96 00	12" surface drain minor drain 2 surface drain manholes	
Bradston Street	Roxbury		136 00 15 00	4 catch basins 15" pipe sewer minor drain	
Hemenway Street	Boston Proper		201 30 8 00	12" pipe sewer minor drain	
Everett Street	East Boston	Charles & Louis Construction Company, Inc.	828 00 294 00 630 00 840 00	18" pipe sewer 15" pipe sewer 12" pipe sewer minor drain 8 manholes removed	81,826 00



Georgetown Drive, 213 feet westerly.....	West Roxbury.....	Beacon-Georgetown Beacon Construction Company, Inc.	242 80 239 00	12" pipe sewer 48" surface drain 1 manhole	\$139,549 50
Georgetown Drive, southeast to Crown Point Drive.....	West Roxbury.....		462 30 390 00 140 00	10" pipe sewer 18" surface drain 12" surface drain 3 sewer manholes 2 surface drain manholes	
Georgetown Drive.....	West Roxbury and Hyde Park.....		987 60 1,460 40	12" pipe sewer..... 10" pipe sewer	
Willers Street to Dedham Parkway.....	Hyde Park.....		239 00 358 00 120 80 280 00 411 20	48" surface drain 24" surface drain 18" surface drain 15" surface drain 12" surface drain	
				14 sewer manholes 8 surface drain manholes 14 catch basins 4 drop inlets	
Margaretta Drive, from Georgetown Drive 700 feet west and south.....	Hyde Park.....		701 10 366 20 170 00	10" pipe sewer 15" surface drain 12" surface drain 4 sewer manholes 3 surface drain manholes 6 catch basins	
Crown Point Drive, from Margaretta Drive to Margaretta Drive.....	Hyde Park.....		*423 40 622 00	10" pipe sewer minor drain (for entire con- tract 4 sewer manholes 1 surface drain manhole 7 catch basins	
Government Center, Tremont Street, Washington Street, and State Street...	.....	D. Federico & Company, Inc. ....	283 00 140 00 70 00	12" pipe sewer..... 12" surface drain minor drain 1 catch basin	
					\$102,910 00

## SEWERAGE WORKS CONTRACTS, Continued

LOCATION	District	Contractor	Length in Feet	Character	Contract Bid Price
Albany Street beneath J. F. Fitzgerald Expressway, and Frontage Road, through easements in private land to Widett Circle, .....	Boston Proper and Rox- bury, .....	D. Federico & Company, Inc. . . .	1,244 00	15" pipe sewer 5 sewer manholes	\$216,484 00
Widett Circle and Foodmart Road, .....	Roxbury, .....	D. Federico & Company, Inc. . . .	\$2,033 00 840 00 632 00 272 00 790 00 442 00 904 00 559 00 343 00 117 00	10" pipe sewer 12" pipe sewer 15" pipe sewer 15" surface drain 24" surface drain 27" surface drain 36" surface drain 30" surface drain 18" surface drain minor drain 17 sewer manholes 18 surface drain manholes 27 catch basins 5 drop inlets	673,314 00
Windham Road and Edgeway Terrace, .....	Hyde Park, .....	N. Bevilacqua & Son, Inc. . . . .	394 00 19 00	10" surface drain, .....	10,322 00
Alabama Street, .....	Dorchester, .....	Carriere Construction Company .	281 40	6 surface drain manholes 3 catch basins	60,285 00
Beaver Street, .....	Hyde Park, .....		157 90	12" pipe sewer	
Canaan Street, .....	Dorchester, .....		332 90 235 00	10" pipe sewer 15" surface drain	
Colorado Street, .....	Hyde Park, .....		289 40 288 00	10" pipe sewer 10" surface drain	
Montebello Road, .....	Dorchester, .....		140 48 48 00	10" pipe sewer 10" surface drain	
Neponset Avenue, .....	Hyde Park, .....		237 50	12" pipe sewer	

Norton Street.....	Hyde Park.....	149 50 103 70	42" surface drain	24,315 00
Scarboro Brook.....	West Roxbury.....	180 00	24" surface drain	
For entire contract.....		229 00	minor drain 6 sewer manholes 3 surface drain manholes 2 catch basins	
Veterans of Foreign Wars Parkway.....	West Roxbury.....	50 00 150 00	8" pipe sewer..... 12" pipe sewer..... 1 sewer manhole	
Fulton Place.....	Boston Proper.....	75 00 14 00	10" pipe sewer minor drain 1 sewer manhole 1 catch basin	
Ridgecrest Terrace.....	West Roxbury.....	397 00 393 00 30 00	10" pipe sewer..... 10" surface drain minor drain 4 sewer manholes 2 surface drain manholes	19,856 00
Elm Hill Avenue, Schuyler Street, Townsend Street and Walnut Park.....	Roxbury.....	4,232 00 10 00 1,532 00 1,008 00 844 00 564 00 274 00 1,000 00	10" pipe sewer..... 12" pipe sewer..... 12" surface drain 15" surface drain 18" surface drain 21" surface drain 24" surface drain minor drain 30 sewer manholes 25 surface drain manholes 7 catch basins	279,873 00

TABLE 9  
SEWERAGE WORKS BUILT BY OTHER THAN PUBLIC WORKS DEPARTMENT

LOCATION	Built By	Length in Feet	Character
Park Square, Boston Proper. ....	Eastern Gas and Fuel Associates. ....	174 00 248 00 56 00 20 00	12" pipe sewer 30" surface drain 21" surface drain minor drain 2 sewer manholes 2 surface drain manholes 1 drop inlet
Charlestown Project. ....	Boston Redevelopment Authority. ....	675 00 940 00 491 00 251 00 211 00 141 00	72" surface drain 48" surface drain 15" surface drain 18" surface drain 30" surface drain minor drain 15 manholes 1 catch basin
East Canton Street, South En. ....	Boston Redevelopment Authority. ....	512 00 505 00	12" pipe sewer 12" surface drain 2 sewer manholes 2 surface drain manholes
Northfield Street, South End. ....	Boston Redevelopment Authority. ....	178 00 159 00	12" pipe sewer 12" surface drain 2 sewer manholes 1 surface drain manhole
Northampton Street, South End. ....	Boston Redevelopment Authority. ....	843 00 280 00 624 00	12" pipe sewer 12" surface drain 24" x 27" brick sewer 4 sewer manholes 3 surface drain manholes
Camden Street, South End. ....	Boston Redevelopment Authority. ....	574 00 100 00 72 00	10" pipe sewer 10" pipe sewer 10" pipe sewer 6 sewer manholes
Shawmut Avenue, South End. ....	Boston Redevelopment Authority. ....	572 00 576 00	15" pipe sewer 15" pipe sewer 7 sewer manholes 2 surface drain manholes
Lenox Street, South End. ....	Boston Redevelopment Authority. ....	272 00 57 00 438 00	12" pipe sewer 10" pipe sewer 12" surface drain 4 sewer manholes 2 surface drain manholes

**APPENDIX F**

**WATER DIVISION**

## METER SHOP AND YARDS

Nonregistering . . . . .	5,124
No Forces . . . . .	754
Connecting Pieces Installed . . . . .	1,119
New Services . . . . .	191
Connecting Pieces Taken out . . . . .	949
Total Meters Installed . . . . .	6,010

TABLE 1  
METERS INSTALLED IN 1969

MONTH	DIAMETER IN INCHES								Total
	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{2}$	2	3	4	6	
January . . . . .	382	18	14	14	6	2	1	0	437
February . . . . .	306	12	3	13	4	2	2	0	342
March . . . . .	292	10	7	8	9	1	2	0	329
April . . . . .	463	14	12	8	6	1	1	0	505
May . . . . .	493	9	12	12	5	1	1	0	533
June . . . . .	800	15	10	22	20	0	3	0	870
July . . . . .	682	10	5	10	4	1	0	0	712
August . . . . .	730	10	8	12	20	2	6	0	778
September . . . . .	391	5	5	26	28	0	1	0	456
October . . . . .	438	2	2	12	3	2	0	0	459
November . . . . .	306	2	32	1	6	1	0	1	349
December . . . . .	195	6	22	4	13	0	0	0	240
Totals . . . . .	5,478	103	132	142	124	13	17	1	6,010



**TABLE 2**  
**METERS TAKEN OUT IN 1969**

	DIAMETER IN INCHES								Total
	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{2}$	2	3	4	6	
January.....	373	18	7	9	9	1	1	0	418
February.....	322	9	3	7	6	2	1	0	350
March.....	301	5	7	2	6	2	0	0	323
April.....	369	12	8	5	3	0	0	0	397
May.....	416	10	12	10	5	0	0	0	453
June.....	841	12	10	20	15	0	0	0	898
July.....	709	5	3	8	3	2	0	0	730
August.....	713	13	5	16	15	2	3	0	767
September.....	532	2	2	10	9	0	0	0	555
October.....	454	1	1	8	3	1	0	0	468
November.....	594	2	26	1	5	0	0	1	629
December.....	349	6	13	2	6	0	0	0	376
Totals.....	5,973	95	97	98	85	10	5	1	6,364

**TABLE 3**  
**CONNECTING PIECES INSTALLED IN 1969**

MONTH	DIAMETER IN INCHES								Total
	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{2}$	2	3	4	6	
January.....	25	5	5	3	2	0	0	0	40
February.....	30	5	2	1	2	0	0	0	40
March.....	35	3	2	1	0	0	0	0	41
April.....	39	5	3	1	0	0	0	0	48
May.....	30	6	3	2	0	0	0	0	41
June.....	50	6	4	1	0	0	0	0	61
July.....	39	3	0	0	0	0	0	0	42
August.....	80	3	2	0	0	0	0	0	85
September.....	104	2	0	1	1	0	0	0	108
October.....	105	1	1	2	0	0	0	0	109
November.....	272	4	1	2	1	0	0	0	280
December.....	218	3	2	1	0	0	0	0	224
Totals.....	1,027	46	25	15	6	0	0	0	1,119

**TABLE 4**  
**CONNECTING PIECES TAKEN OUT IN 1969**

MONTH	DIAMETER IN INCHES								Total
	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{2}$	2	3	4	6	
January.....	30	2	1	0	0	0	0	0	33
February.....	37	1	1	0	1	0	0	0	40
March.....	70	4	1	0	2	0	0	0	77
April.....	85	1	1	1	1	0	0	0	89
May.....	62	3	0	0	0	0	0	0	65
June.....	62	0	1	1	0	0	0	0	64
July.....	65	2	1	0	0	0	0	0	68
August.....	80	4	2	1	0	0	0	0	87
September.....	70	1	0	2	1	0	0	0	74
October.....	160	1	1	0	0	0	0	0	162
November.....	90	2	6	1	0	0	0	0	99
December.....	86	2	2	1	0	0	0	0	91
Totals.....	897	23	17	7	5	0	0	0	949

**TABLE 5**  
**METERS REPAIRED IN SHOP IN 1969**

MONTH	DIAMETER IN INCHES								Total
	$\frac{5}{8}$	$\frac{3}{4}$	1	$1\frac{1}{2}$	2	3	4	6	
January.....	169	5	8	5	8	0	0	0	195
February.....	173	2	1	0	9	2	0	0	187
March.....	145	17	0	0	3	2	0	0	167
April.....	100	16	7	0	0	1	0	0	124
May.....	80	12	6	0	2	0	0	0	100
June.....	75	12	8	2	2	0	0	0	99
July.....	85	25	20	6	8	0	0	0	144
August.....	66	8	4	2	6	0	0	0	86
September.....	205	11	7	0	0	0	0	0	223
October.....	265	11	7	0	1	0	0	0	284
November.....	288	4	4	0	0	0	0	0	296
December.....	210	2	12	1	1	0	0	0	226
Totals.....	1,861	125	84	16	40	5	0	0	2,131

TABLE 6  
REASONS FOR METER CHANGES — 1969

MONTH	No Forces	Nonregistering	Spindle Leaks	Frozen Meters	New Service	Demolitions	Clock Changes	Special Test	Discontinued Service	Coupling Leaks	Interior Changes
January .....	73	300	9	2	12	10	5	12	10	7	5
February .....	65	257	8	3	9	9	4	11	7	2	3
March .....	50	273	9	1	5	7	3	8	4	4	2
April .....	45	352	10	0	32	10	2	12	3	2	2
May .....	50	483	7	0	24	8	1	6	3	1	0
June .....	80	790	8	0	10	12	2	7	4	2	1
July .....	81	697	7	0	10	5	4	3	2	2	2
August .....	86	692	6	0	12	2	0	5	2	2	1
September .....	56	400	4	0	45	3	0	26	3	3	0
October .....	69	390	6	0	8	2	1	9	0	1	0
November .....	49	300	7	0	10	5	2	5	2	1	0
December .....	50	190	4	2	14	5	3	12	2	2	0
Totals .....	754	5,124	85	8	191	78	27	116	42	29	16











